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November 14, 2019

Mr. Binyoti Amungwafor
Wisconsin Department of Natural Resources
Southeast Region Headquarters
2300 N. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436

Re: Progress Report
Redi Quick Dry Cleaners
9508 West Greenfield Avenue,
West Allis, Wisconsin
BRRTS No. 02-41-000676

Dear Mr. Amungwafor:

Aptim Environmental and Infrastructure (APTIM), on the behalf of Redi-Quick Dry Cleaner, is presenting this Progress Report for the Redi Quick facility located at the above referenced address (**Figure B.1.a**). On August 16, 2017, Aptim and the Wisconsin Department of Natural Resources (WDNR) discussed the scope of work for additional site activities including vapor sampling, vapor mitigation pilot testing, groundwater and soil sampling and reporting as outlined in the approved proposal dated May 4, 2018. Two rounds of groundwater monitoring were completed under this agreement to monitor plume trends. The first round was completed in November 2018 and the second round in October 2019.

Groundwater Monitoring Activities

On October 17, 2019, APTIM completed the second round of groundwater monitoring activities. Monitoring well MW-8 was not located as it was covered by new asphalt paving prior to the March 2017 groundwater monitoring event. The rest of the monitoring well network was found to be in good condition. The locations of the monitoring wells and the site layout are illustrated in **Figure B.1.b**. Following the monitoring well network inspection, APTIM conducted groundwater gauging of the network prior to groundwater sampling activities. On October 17, 2019, the depth to groundwater ranged from 3.59 (MW-10) to 16.25 (PZ-20) feet below ground surface (bgs) (**Table A.6**). The general groundwater flow is to the northeast, which is consistent with previous gauging events. There is a mound of groundwater around monitoring well MW-14 and MW-10 which may be due to the presence of a sandy silt on the eastern portion of the Site containing perched water. The groundwater flow at the Site on October 17, 2019 is illustrated in **Figure B.3.c**.

Following the groundwater gauging, the monitoring well network was sampled using low flow purged and sample method. Each monitoring well was purged utilizing disposable tubing connected to a peristaltic pump and an YSI multi-parameter water quality meter. The YSI was used to monitor groundwater aquifer properties for stabilization prior to sampling. The properties monitored included temperature, pH, dissolved oxygen, specific conductivity, and oxidation reduction potential (ORP). The

groundwater samples from each well were collected into laboratory supplied jars for VOC analysis by EPA Method 8260 by Pace Analytical of Green Bay, Wisconsin. The post injection groundwater analytical data with the natural attenuation data are summarized in **Table A.1.b**. The laboratory analytical report are provided in **Attachment B**.

Groundwater Analytical Results

The groundwater VOC data for the groundwater monitoring well network has shown a stable footprint of the dissolved groundwater plume since the May 2013 sampling event. The breakdown daughter products of cis-1,2-dichloroethene (cis-DCE) and vinyl chloride (VC) have shown reductions in concentrations over time. Tetrachloroethene (PCE) was detected in two wells during the October 2019 sampling event at concentrations that exceeded the Wisconsin Administrative Code Enforcement Standard (ES) of 5 µg/L, MW-4 (5.3 µg/L) and PZ-20 (34.9 µg/L). Trichloroethene (TCE) has remained stable, with a maximum concentration of 8.6 ug/L (PZ-20) detect near the former solvent tank located beneath the building. cis-DCE has remained stable with no detection that exceeded the ES concentration of 100 µg/L. VC concentrations that exceeded the ES concentration of 0.2 µg/L were detected in four wells, MW-12 (2.1 µg/L), MW-2 (2.3 µg/L), MW-14 (5.4 µg/L), and MW-10 (20.3 µg/L). The down gradient and off-site monitoring wells of MW-11 and MW-21, as well as cross-gradient well MW-13 and MW-2 have continued to exhibit low to non-detect concentrations of CVOCs.

Overall, the groundwater VOCs data has shown reduction of the source materials of PCE and TCE, the increase and decline in concentration of the daughter products of cis-DCE, and VC across the Site, and improved groundwater natural attenuation properties with low dissolved oxygen and negative oxidation reduction potential values which will promote further breakdown of the source materials. Concentrations of PCE, TCE, cis-DCE, and VC in the groundwater for the October 2019 sampling event are presented in **Figures B.3.b.1** thru **B.3.b.4**.

Summary

The CVOCs concentrations in the groundwater for the Site have shown significant improvements since the initial investigation work in 2006 and from the amendment injections in 2009 and in 2010. Concentrations of CVOCs at the monitoring wells have shown a stable or decreasing trend between 2010 and 2019. The reduction in PCE concentrations and the formation and increase in its daughter products TCE, cis-DCE, and VC continue to demonstrate that the injection of amendments have promoted the reductive dehalogenation of these compounds within the groundwater interface and dissolved plume. No CVOCs were detected in the groundwater at the downgradient monitoring wells.

Closing

If you have any questions concerning this update, please contact me at (913) 317-3591.

Sincerely,

Mark Finney
Project Manager
Aptim Environmental & Infrastructure, Inc.

Please Reply To: Mark Finney
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E-Mail Address: Mark.Finney@Aptim.com

Cc: Sam Gruichich, Redi Quick
Mr. Carl Sinderbrand, Axley Brynelsoon, LLP

Tables

Table A.6 - Water Elevation Table
Summary of Groundwater Elevations
Redi-Quick Dry Cleaners
West Allis, Wisconsin

Well Number	Measurement Date	Top of Casing Elevation (ft msl)	Screen Interval Top (ft msl)	Screen Interval Bottom (ft msl)	TOC to Water (ft btoc)	Water Elevation (ft msl)	Depth to TOS (ft)	Depth to BOW (ft)	Screen Length (feet)
MW-2	9/14/2000	781.58	765.63	755.63	NM	NM	15.95	25.95	10
	11/15/2000				12.56	769.02			
	6/9/2006				13.60	767.98			
	3/30/2009				13.33	768.25			
	7/28/2009				13.43	768.15			
	8/26/2009				13.62	767.96			
	7/7/2010				13.23	768.35			
	10/28/2010				13.65	767.93			
	1/27/2011				13.90	767.68			
	4/28/2011				12.21	769.37			
	8/7/2012				13.68	767.90			
	11/28/2012				15.38	766.20			
	2/27/2013				13.67	767.91			
	5/20/2013				12.92	768.66			
	3/30/2017				12.62	768.96			
	11/8/2018				12.42	769.16			
	10/17/2019				11.99	769.59			
MW-4	9/14/2000	783.30	780.15	770.15	3.25	766.90	3.15	13.15	10
	11/15/2000				4.71	778.59			
	3/30/2009				5.23	778.07			
	7/28/2009				5.72	777.58			
	8/26/2009				5.69	777.61			
	7/6/2010				4.63	778.67			
	10/28/2010				5.69	777.61			
	1/27/2011				6.20	777.10			
	4/28/2011				3.63	779.67			
	8/7/2012				6.68	776.62			
	11/28/2012				5.92	777.38			
	2/27/2013				4.31	778.99			
	5/20/2013				4.13	779.17			
	3/30/2017				3.72	779.58			
	11/8/2018				3.92	779.38			
	10/17/2019				4.10	779.20			
MW-8	9/14/2000	781.13	766.23	756.23	12.94	743.29	14.90	24.90	10
	11/15/2000				13.22	767.91			
	6/9/2006				13.90	767.23			
	3/30/2009				13.41	767.72			
	7/28/2009				13.62	767.51			
	8/26/2009				13.79	767.34			
	7/7/2010				13.19	767.94			
	10/28/2010				14.37	766.76			
	1/27/2011				14.13	767.00			
	4/28/2011				12.87	768.26			
	8/7/2012				13.74	767.39			
	11/28/2012				16.68	764.45			
	2/27/2013				15.03	766.10			
	5/20/2013				14.85	766.28			
	3/30/2017				NM				
	11/8/2018				NM				
	10/17/2019				NM				
RS-E	9/14/2000	781.97	-	771.47	NM	-	-	10.50	-
	11/15/2000				2.22	779.75			
RS-W	9/14/2000	782.45	-	771.71	NM	-	-	10.74	-
	11/15/2000				2.99	779.46			
MW-10	9/14/2000	779.26	771.37	756.37	4.37	752.00	7.89	22.89	15
	11/15/2000				6.61	772.65			
	6/9/2006				5.29	773.97			
	3/30/2009				4.75	774.51			
	7/28/2009				5.63	773.63			
	8/26/2009				5.47	773.79			
	7/7/2010				4.13	775.13			
	10/28/2010				11.48	767.78			
	1/27/2011				5.01	774.25			
	4/28/2011				1.77	777.49			
	8/7/2012				5.12	774.14			
	11/26/2012				4.42	774.84			
	2/27/2013				2.76	776.50			
	5/20/2013				2.33	776.93			
	3/30/2017				2.68	776.58			
	11/8/2018				3.4	775.86			
	10/17/2019				3.59	775.67			

Table A.6 - Water Elevation Table
Summary of Groundwater Elevations
Redi-Quick Dry Cleaners
West Allis, Wisconsin

Well Number	Measurement Date	Top of Casing Elevation (ft msl)	Screen Interval Top (ft msl)	Screen Interval Bottom (ft msl)	TOC to Water (ft btoc)	Water Elevation (ft msl)	Depth to TOS (ft)	Depth to BOW (ft)	Screen Length (feet)
MW-11	9/14/2000	777.89	769.57	759.57	8.60	750.97	8.32	18.32	10
	11/15/2000				8.81	769.08			
	6/9/2006				8.26	769.63			
	3/30/2009				8.25	769.64			
	7/28/2009				9.16	768.73			
	8/26/2009				8.05	769.84			
	7/6/2010				8.01	769.88			
	10/28/2010				9.46	768.43			
	1/27/2011				10.00	767.89			
	4/28/2011				7.39	770.50			
	8/7/2012				9.13	768.76			
	11/28/2012				9.97	767.92			
	2/27/2013				9.14	768.75			
	5/20/2013				8.63	769.26			
	3/30/2017				7.11	770.78			
	11/8/2018				8.09	769.80			
	10/17/2019				8.05	769.84			
MW-12	9/14/2000	782.61	762.55	752.55	13.74	738.81	20.06	30.06	10
	11/15/2000				14.03	768.58			
	6/9/2006				14.94	767.67			
	3/30/2009				14.33	768.28			
	6/24/2009				14.03	768.58			
	7/28/2009				14.68	767.93			
	8/26/2009				14.98	767.63			
	7/6/2010				19.83	762.78			
	10/28/2010				15.54	767.07			
	1/26/2011				15.48	767.13			
	4/28/2011				15.21	767.40			
	8/7/2012				16.00	766.61			
	11/28/2012				15.23	767.38			
	2/27/2013				14.70	767.91			
	5/20/2013				13.52	769.09			
	3/30/2017				13.83	768.78			
	11/8/2018				13.60	769.01			
	10/17/2019				12.77	769.84			
MW-13	9/14/2000	780.08	763.44	753.44	9.54	743.90	16.64	26.64	10
	11/15/2000				10.70	769.38			
	6/9/2006				11.60	768.48			
	3/30/2009				11.08	769.00			
	7/28/2009				11.60	768.48			
	8/26/2009				11.92	768.16			
	7/6/2010				10.37	769.71			
	10/28/2010				11.94	768.14			
	1/27/2011				12.49	767.59			
	4/28/2011				9.50	770.58			
	8/7/2012				12.12	767.96			
	11/28/2012				12.33	767.75			
	2/27/2013				11.49	768.59			
	5/20/2013				10.42	769.66			
	3/30/2017				9.82	770.26			
	11/8/2018				10.26	769.82			
	10/17/2019				9.45	770.63			
MW-14	3/25/2009	783.07	773.77	763.77	16.74	766.33	9.30	19.30	10
	3/30/2009				14.43	768.64			
	6/24/2009				6.71	776.36			
	7/28/2009				3.58	779.49			
	7/6/2010				14.63	768.44			
	10/28/2010				11.50	771.57			
	1/26/2011				8.54	774.53			
	4/28/2011				7.06	776.01			
	8/7/2012				7.65	775.42			
	11/28/2012				5.99	777.08			
	2/27/2013				5.01	778.06			
	5/20/2013				4.25	778.82			
	3/30/2017				2.39	780.68			
	11/8/2018				1.45	781.62			
	10/17/2019				5.55	777.52			

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Summary of Groundwater Elevations
Redi-Quick Dry Cleaners
West Allis, Wisconsin

Well Number	Measurement Date	Top of Casing Elevation (ft msl)	Screen Interval Top (ft msl)	Screen Interval Bottom (ft msl)	TOC to Water (ft btoc)	Water Elevation (ft msl)	Depth to TOS (ft)	Depth to BOW (ft)	Screen Length (feet)
MW-21	6/9/2006	778.65	772.35	762.35	7.18	771.47	6.30	16.30	10
	3/30/2009				7.56	771.09			
	7/28/2009				7.68	770.97			
	8/26/2009				8.05	770.60			
	7/6/2010				7.09	771.56			
	10/28/2010				7.74	770.91			
	1/26/2011				9.11	769.54			
	4/28/2011				7.28	771.37			
	8/7/2012				8.00	770.65			
	11/28/2012				8.90	769.75			
	2/27/2013				NM	NM			
	5/20/2013				7.40	771.25			
	3/30/2017				5.72	772.93			
	11/8/2018				8.40	770.25			
	10/17/2019				7.09	771.56			
PZ-10	9/14/2000	779.44	738.98	733.98	38.72	695.26	40.46	45.46	5
	11/15/2000				13.40	766.04			
	6/9/2006				13.80	765.64			
	3/30/2009				13.13	766.31			
	7/28/2009				13.62	765.82			
	8/26/2009				13.91	765.53			
	7/7/2010				12.77	766.67			
	10/28/2010				13.94	765.50			
	1/27/2011				15.81	763.63			
	4/28/2011				13.31	766.13			
	8/7/2012				14.53	764.91			
	11/28/2012				14.39	765.05			
	2/27/2013				14.59	764.85			
	5/20/2013				13.83	765.61			
	3/30/2017				13.1	766.34			
	11/8/2018				12.55	766.89			
	10/17/2019				12.44	767.00			
PZ-20	6/9/2006	783.33	744.21	739.21	16.75	766.58	39.12	44.12	5
	3/30/2009				15.79	767.54			
	8/26/2009				16.76	766.57			
	7/6/2010				15.65	767.68			
	10/28/2010				16.90	766.43			
	1/26/2011				17.13	766.20			
	4/28/2011				16.42	766.91			
	8/7/2012				17.23	766.10			
	11/28/2012				17.24	766.09			
	2/27/2013				17.23	766.10			
	5/20/2013				16.75	766.58			
	3/30/2017				15.92	767.41			
	11/8/2018				15.96	767.37			
	10/17/2019				16.25	767.08			

Notes:
All units in feet
ft msl = feet relative to mean sea level
TOC = top of casing
TOS = top of screen
BOC = bottom of casing
BOW = bottom of well
NM = not measured
"-" = not available

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-2			NR 140.10 Table 1		Pilot Testing Program				Quarterly Performance Monitoring Program											
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
			PAL	ES	3/30/2009	6/24/2009	7/30/2009	8/30/2009	7/7/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
Detected VOCs	1,2-Dichloroethane																		1.5
	cis-1,2-Dichloroethene	µg/l	*7*	**70**	*28*	NS	NS	NS	*36*	*35*	*8.4*	4.7	< 0.74	< 0.74	1.12 J	1.1 J	0.32 J	< 0.27	1
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	1.6 J	NS	NS	NS	1.95 J	2.36 J	1.21 J	1.21 J	1.31 J	1.16 J	1.02 J	1.33	0.6 J	< 1.1	1.3 J
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.5	NS	NS	NS	**8.7**	**10.8**	< 0.44	< 0.44	< 0.44	< 0.44	< 0.33	< 0.33	< 0.5	< 0.33	< 0.33
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	1.37 J	NS	NS	NS	*2.62*	*2.51*	< 0.47	< 0.47	< 0.47	< 0.47	< 0.33	< 0.33	< 0.33	< 0.26	< 0.26
	Vinyl Chloride	µg/l	*0.02*	**0.2**	**1.79**	NS	NS	NS	**3.5**	**6.8**	**3.09**	**2.65**	**0.80**	**0.62**	**0.86**	**1.01**	**0.67** J	< *0.17*	**2.3**
Field Measurements	Temperature	deg. C	--	--	10.67	NS	NS	NS	14.89	16.30	13.95	8.57	16.02	16.84	13.84	14.66	11.8	13.8	16.6
	pH	--	--	--	7.11	NS	NS	NS	6.11	6.79	6.78	6.92	7.07	7.10	7.03	6.90	7.17	7.39	7.19
	Dissolved Oxygen	mg/l	--	--	2.08	NS	NS	NS	0.25	0.03	0.30	0.18	0.73	0.17	0.28	7.69	0.43	3.84	0.76
	Specific Conductivity	µs/cm	--	--	6674	NS	NS	NS	5107	4767	4307	4937	4999	4499	3861	3956	4249	102	7010
	ORP	mV	--	--	300.1	NS	NS	NS	-113	-151	-414	-83	-138	-257	-89	-125	-49.1	37	-101.7
Geochemical Parameters	TOC	µg/l	--	--	1,700	NS	NS	NS	400,000	170,000	170,000	91,000	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	0.1 J	NS	NS	NS	0.1 J <	0.1 <	0.1 <	0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	156	NS	NS	NS	91.8	4.44 J <	3.4 <	3.4	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	4.2	895 <	5 <	20	< 0.5	< 10	1.98	< 10	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	6.6	2.54 J	6.5 J<	20	0.75 J	< 10	0.85 J	< 10	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	5.2	2.69 J	7,100	10,200	11,500	13,600	11,500	5,900	NS	NS	NS

NOTES
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
µg/l = micrograms per liter
mV = milli-volts
ORP = oxidation-reduction potential
TOC = Total Organic Carbon
J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-4			NR 140.10 Table 1 PAL	NR 140.10 Table 1 ES	Pilot Testing Program: Baseline 3/30/2009	Pilot Testing Program: 3 Month Performance 6/24/2009	Pilot Testing Program: 3 Month Performance 7/30/2009	Pilot Testing Program: 3 Month Performance 8/30/2009	Quarterly Performance Monitoring Program: 1Q 7/7/2010	2Q 10/28/2010	3Q 1/27/2011	4Q 4/28/2011	5Q 8/7/2012	6Q 11/28/2012	7Q 2/27/2013	8Q 5/20/2013	9Q 3/30/2017	10Q 11/8/2018	11Q 10/17/2019
Detected VOCs																			
	cis-1,2-Dichloroethene	µg/l	*7*	**70**	NS	NS	NS	NS	1.93 J	*22*	*24.8*	*36*	*35*	*23.2*	*10.1*	5.6	0.73 J	< 3.6	0.78 J
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	NS	NS	NS	NS	*4.0*	**5.2**	*2.73*	*2.36*	*3.12*	*3.7*	*2.95*	*3.3*	*3.7*	< 5.2	**5.3**
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	NS	NS	NS	NS	< 0.39	*1.23*	*0.74* J	*0.54* J	*1.87*	*1.6*	*1.15*	*1.38*	*1.2*	*1.3*	*1.5*
	Vinyl Chloride	µg/l	*0.02*	**0.2**	NS	NS	NS	NS	< 0.19	**0.62**	**1.42**	**1.04**	**2.41**	**2.24**	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Field Measurements																			
	Temperature	deg. C	--	--	NS	NS	NS	NS	17.02	17.01	9.14	3.65	19.34	13.82	6.25	11.61	7.3	13.6	16.7
	pH	--	--	--	NS	NS	NS	NS	6.77	7.16	7.18	7.22	6.99	7.16	7.06	6.75	7.13	7.16	7.10
	Dissolved Oxygen	mg/l	--	--	NS	NS	NS	NS	0.73	0.84	1.44	6.24	0.42	0.86	2.60	5.16	2.2	1.42	2.99
	Specific Conductivity	µs/cm	--	--	NS	NS	NS	NS	730	672	662	700	734	780	720	620	711	810	690
	ORP	mV	--	--	NS	NS	NS	NS	-129	10	-394	26	110	-249	133	70	225.9	43.9	135.1
Geochemical Parameters																			
	TOC	µg/l	--	--	NS	NS	NS	NS	550 J	2300	1200	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	NS	NS	NS	NS	0.51	0.13 J	0.14 J	0.52	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	NS	NS	NS	NS	11.4	7.93 J	8.85 J	11.4	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	< 0.5	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	10.3	< 1	NS	< 0.5	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	1.2	J < 1	26.5	NS	31.2	NS	NS	NS	NS	NS	NS

NOTES
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µg/l = micrograms per liter
mV = milli-volts
ORP = oxidation-reduction potential
TOC = Total Organic Carbon
J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-8			NR 140.10 Table 1		Pilot Testing Program				Quarterly Performance Monitoring Program										
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
					3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/7/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	**930**	**24,300**	**11,300**	**202** J	*26.7*	< 0.74	0.75 J	1.22	NS	NS	NS
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.5	NS	NS	NS	**7,300**	< 86	< 88	< 44	< 4.4	< 0.44	< 0.33	< 0.33	NS	NS	NS
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	NS	NS	NS	**380**	< 78	< 94	< 47	< 4.7	< 0.47	< 0.33	< 0.33	NS	NS	NS
	Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.2	NS	NS	NS	**16.5** J	**420**	**1,960**	**350**	**10.9**	**1.47**	**0.95**	**0.93**	NS	NS	NS
Field Measurements	Temperature	deg. C	--	--	10.71	NS	NS	NS	15.16	14.53	14.26	8.91	18.06	16.50	13.44	15.81	NS	NS	NS
	pH		--	--	7.27	NS	NS	NS	6.02	6.39	6.25	6.41	6.66	6.69	6.57	6.38	NS	NS	NS
	Dissolved Oxygen	mg/l	--	--	1.44	NS	NS	NS	0.33	0.01	0.42	0.29	0.54	0.19	0.35	8.51	NS	NS	NS
	Specific Conductivity	µs/cm	--	--	1868	NS	NS	NS	5164	4102	4192	3936	4237	4012	4693	4567	NS	NS	NS
	ORP	mV	--	--	285.1	NS	NS	NS	-126	-77	-417	-41	-106	-263	-52	-80	NS	NS	NS
Geochemical Parameters	TOC	µg/l	--	--	2,100	NS	NS	NS	960,000	840,000	########	640,000	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	140 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	< 0.1	NS	NS	NS	0.14 J <	0.1 <	0.1 <	0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	93.5	NS	NS	NS	< 3.4	4.29 J	11.8	8.33 J	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	50.8	332	417	135	202	125	127	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	1120	1.5 J <	20	< 0.5	1.4	2.17	< 10	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	29	< 1	3600	5620	5,450	10,100	8,300	5,820	NS	NS	NS

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Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-10			NR 140.10 Table 1		Pilot Testing Program				Quarterly Performance Monitoring Program										
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
			PAL	ES	3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/7/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
Detected VOCs																			
	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 220	NS	NS	NS	**8,700**	**138,000**	**181,000**	**3,500** J	**51,000**	**5,800**	**31,300**	**1,120**	**1,010**	**196**	*22*
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 305	NS	NS	NS	< 650	**3,070**	< 790	< 1580	< 395	< 395	< 175	< 175	*104*	*83.7*	*64*
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	**33,000**	NS	NS	NS	**13,200**	< 430	< 440	< 880	< 220	< 220	< 165	< 165	< 2.5	< 1.6	< 0.33
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	**580** J	NS	NS	NS	**2,540**	< 390	< 470	< 940	< 235	< 235	< 165	< 165	125	< 1.3	< 0.26
	Vinyl Chloride	µg/l	*0.02*	**0.2**	< 100	NS	NS	NS	**220** J	**14,700**	**25,700**	**1,660**	**21,100**	**4,600**	**13,300**	**640**	**699**	**200**	**20.3**
Field Measurements																			
	Temperature	deg. C	--	--	9.33	NS	NS	NS	15.50	16.48	11.44	6.53	18.45	15.61	10.32	12.50	8.90	14.80	17.20
	pH		--	--	7.15	NS	NS	NS	6.48	6.60	6.33	6.87	6.54	6.79	6.79	6.86	7	6.99	6.9
	Dissolved Oxygen	mg/l	--	--	0.51	NS	NS	NS	0.28	0.10	0.37	0.31	0.57	0.18	0.25	8.51	0.37	0.50	0.24
	Specific Conductivity	µs/cm	--	--	3575	NS	NS	NS	3326	4992	5362	3936	4281	2794	3340	2432	2786	3450	3440
	ORP	mV	--	--	294	NS	NS	NS	-136	-84	-413	-83	-95	-262	-70	-151	-137.5	-64	-92.3
Geochemical Parameters																			
	TOC	µg/l	--	--	2,800	NS	NS	NS	120,000	320,000	390,000	82,000	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	0.5	NS	NS	NS	< 0.1	< 0.1	< 0.1	< 0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	103	NS	NS	NS	4.65	J < 3.4	< 3.4	< 3.4	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	78	299	2630	4210	10300	13,500	10,100	4,910	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	2.5	J 4670	< 10	< 20	< 0.5	5	3.91	< 10	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	62	< 1	4620	7870	5,600	10,300	10,500	7,380	NS	NS	NS

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Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-11			NR 140.10 Table 1		Pilot Testing Program				Quarterly Performance Monitoring Program													
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
					3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/6/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	< 0.78	< 0.78	< 0.74	< 0.74	< 0.74	< 0.74	< 0.38	< 0.38	< 0.26	< 0.27	< 0.27
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	NS	NS	NS	< 1.3	< 1.3	< 0.79	< 0.79	< 0.79	< 0.79	< 0.35	< 0.35	< 0.26	< 0.33	< 0.33
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.5	NS	NS	NS	< 0.43	< 0.43	< 0.44	< 0.44	< 0.44	< 0.44	< 0.33	< 0.33	< 0.5	< 0.26	< 0.26
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	NS	NS	NS	< 0.39	< 0.39	< 0.47	< 0.47	< 0.47	< 0.47	< 0.33	< 0.33	< 0.33	< 0.17	< 0.17
Field Measurements	Temperature	deg. C	--	--	8.43	NS	NS	NS	15.07	16.70	11.57	5.15	17.74	15.64	10.23	11.29	9	14.3	16.9
	pH	--	--	--	7.00	NS	NS	NS	6.45	6.99	6.92	7.00	6.93	6.89	6.97	6.82	6.86	7.03	6.95
	Dissolved Oxygen	mg/l	--	--	0.89	NS	NS	NS	0.47	0.53	2.21	3.22	0.77	0.58	3.45	3.07	0.83	0.68	1.87
	Specific Conductivity	µs/cm	--	--	3446	NS	NS	NS	3567	3483	3202	3349	3388	3338	3226	3428	3428	3280	3100
	ORP	mV	--	--	295.4	NS	NS	NS	-139	107	-370	14	81	-211	89	126	228.1	56.3	-10.8
Geochemical Parameters	TOC	µg/l	--	--	3,000	NS	NS	NS	2,000	1400	1100	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	<0.1	NS	NS	NS	< 0.1	0.1 J	0.15	J < 0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	138	NS	NS	NS	193	172	127	168	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	< 1	1.4 J	2.6 J	NS	NS	NS	NS	NS	NS	NS	NS

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Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-12				Pilot Testing Program				Quarterly Performance Monitoring Program										
				Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
				3/30/2009	6/24/2009	7/28/2009	8/26/2009	7/6/2010	10/28/2010	1/26/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
		NR 140.10 Table 1 PAL	NR 140.10 Table 1 ES															
Detected VOCs																		
cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	< 34	< 0.68	< 0.68	**1,200** J	**75,000**	**98,000**	**61,000**	**25,200**	**16,400**	**18,200**	**17,200**	**2.4**	**43.3**	*14.3*
trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	< 30.5	< 0.61	< 0.61	< 650	**1,290**	**940** J	< 395	< 395	< 395	< 175	< 70	8.4	3.6 J	4.5
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	*2.1*	**25.5** J	*4.8*	*4.1*	**21,700**	**14,100**	**7,000**	< 220	< 220	< 220	< 165	< 66	< 0.5	0.78 J	0.4 J
Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	< 19.5	0.44 J	< 0.47 J	**235** J	**740**	**700** J	< 235	< 235	< 235	< 165	< 66	< 0.33	0.28 J	< 0.26
Vinyl Chloride	µg/l	*0.02*	**0.2**					< 95	< 95	**280**	**260** J	**320**	< 90	**110** J	**192**	**1.4**	**1.3**	**2.1**
Field Measurements																		
Temperature	deg. C	--	--	11.35	18.53	15.85	13.97	16.31	13.85	12.70	8.19	16.43	12.24	11.96	14.61	11.70	14.40	14.70
pH	--	--	--	7.38	6.60	5.82	6.37	6.11	6.71	6.57	6.63	6.63	6.78	6.81	6.65	6.96	7.05	7.02
Dissolved Oxygen	mg/l	--	--	1.78	1.43	3.14	0.52	0.42	0.07	0.26	0.40	0.48	0.73	0.40	7.13	0.70	0.54	0.82
Specific Conductivity	µs/cm	--	--	1008	1114	1147	1363	3461	2446	2667	2763	2603	2513	2281	2129	1620	1320	1440
ORP	mV	--	--	274.1	-15.3	-152.7	-167	-153	-112	-160	-71	-106	-266	-80	-120	-131	-23	-112
Geochemical Parameters																		
TOC	µg/l	--	--	2,200	22,000	230,000	280	830,000	510,000	580,000	430,000	NS	NS	NS	NS	NS	NS	NS
Dissolved Iron	µg/l	--	--	< 60	2,930	2.7	< 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dissolved Nitrate/Nitrite	mg/l	--	--	0.1 J	1.01	<0.1	0.1 J	0.14 J	< 0.1	0.10 J	< 0.1	NS	NS	NS	NS	NS	NS	NS
Dissolved Sulfate	mg/l	--	--	92.0	76.7	7.68 J	< 3.4	4.66 J	4.07 J	< 3.4	21.3	NS	NS	NS	NS	NS	NS	NS
Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	2.0 J	< 10	20.1 J	1.5	5.3	3.17	5.61	NS	NS	NS
Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	< 1.0	< 10	< 20.0	< 0.5	< 0.5	< 0.5	< 5.0	NS	NS	NS
Methane	µg/l	--	--	NS	NS	NS	NS	1150	3660	5420	4280	6,380	12,200	5,780	4,420	NS	NS	NS
Acetic Acid	mg/l	--	--	NS	46.00	190	210.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyric Acid	mg/l	--	--	NS	5.80	30	32.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Formic Acid	mg/l			NS	2.40	18	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexanoic Acid	mg/l			NS	1.20	<0.10	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
i-Hexanoic Acid	mg/l			NS	<0.1	<0.10	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
i-Pentanoic Acid	mg/l			NS	0.23	0.920	0.880	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lactic Acid	mg/l	--	--	NS	<1.00	<10.0	3.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentanoic Acid	mg/l			NS	0.54	2.50	4.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Propionic Acid	mg/l	--	--	NS	74.00	190.0	140.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyruvic Acid	mg/l	--	--	NS	0.77	3.10	2.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-13					Pilot Testing Program				Quarterly Performance Monitoring Program										
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
			NR 140.10 Table 1		3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/6/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	< 0.78	< 0.78	< 0.74	< 0.74	< 0.74	NS	NS	NS	< 0.26	< 0.27	< 0.27
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	NS	NS	NS	< 1.3	< 1.3	< 0.79	< 0.79	< 0.79	NS	NS	NS	< 0.26	< 1.10	< 1.10
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.5	NS	NS	NS	< 0.43	< 0.43	< 0.44	< 0.44	< 0.44	NS	NS	NS	< 0.50	< 0.33	< 0.33
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	NS	NS	NS	< 0.39	< 0.39	< 0.47	< 0.47	< 0.47	NS	NS	NS	< 0.03	< 0.26	< 0.26
Field Measurements	Temperature	deg. C	--	--	10.27	NS	NS	NS	13.61	13.86	12.01	6.82	13.68	NS	NS	NS	11	13.9	15.1
	pH	--	--	--	7.40	NS	NS	NS	7.03	7.42	7.26	7.62	7.29	NS	NS	NS	7.12	7.10	7.16
	Dissolved Oxygen	mg/l	--	--	1.94	NS	NS	NS	2.33	0.93	2.88	8.33	0.48	NS	NS	NS	0.41	0.88	0.44
	Specific Conductivity	µs/cm	--	--	810	NS	NS	NS	793	760	800	609	879	NS	NS	NS	1188	3220	455
	ORP	mV	--	--	280.3	NS	NS	NS	-157	-12	-352	19	-39	NS	NS	NS	-49.5	42.6	-8.6
Geochemical Parameters	TOC	µg/l	--	--	3.500	NS	NS	NS	5200	6200	3900	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	0.37	NS	NS	NS	1.43	0.27 J	0.30	J < 0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	33.0	NS	NS	NS	27.9	23.7	33.0	8.33 J	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	< 1	1.8 J	2.3	J NS	NS	NS	NS	NS	NS	NS	NS

NOTES
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ORP = oxidation-reduction potential
TOC = Total Organic Carbon
J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

					Pilot Testing Program				Quarterly Performance Monitoring Program										
MW-14					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
					3/30/2009	6/24/2009	7/28/2009	8/26/2009	7/6/2010	10/28/2010	1/26/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			NR 140.10 Table 1																
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	< 34	45 J	**94**	**2,320**	**18,600**	**11,700**	**10,200**	**360**	**490**	**510**	**580**	5.9	0.94 J	4.3
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	< 30.5	NS	< 6.1	< 65	**550**	**183** J	*81*	< 79	*46*	*53*	*55*	6.3	1.2 J	*20.4*
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	*1.87*	**3300**	**550**	**208**	**2,040**	**98** J	< 44	< 44	< 44	< 4.4	< 3.3	< 3.3	< 0.5	< 0.33	< 0.33
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	< 19.5	<19.5	*4.1* J	**174**	< 78	< 47	< 47	< 47	< 4.7	< 3.3	*3.6* J	< 0.33	< 0.26	< 0.26
	Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.2	< 10	<10	**2.2** J	**14.5** J	**164**	**113**	**202**	**179**	**162**	**172**	**211**	**1.6**	**0.28** J	**5.4**
Field Measurements	Temperature	deg. C	--	--	11.3	21.54	16.43	15.53	16.44	15.40	12.75	6.88	17.12	14.84	10.72	12.46	9.6	13.7	16.7
	pH	--	--	--	7.39	5.9	5.88	6.18	5.97	6.42	6.42	6.51	6.43	6.40	6.37	6.30	6.58	7.01	6.62
	Dissolved Oxygen	mg/l	--	--	1.74	2.44	3.23	0.96	0.40	0.04	0.31	0.27	0.55	0.21	0.35	5.40	0.51	0.39	0.68
	Specific Conductivity	µs/cm	--	--	1020	3263	3200	3197	5207	3600	2907	2807	2964	3124	3144	3449	4122	541	3830
	ORP	mV	--	--	268.2	40.1	-51.9	-72	-133	-90	-161	-44	-70	-257	1	-61	-60.9	-20.3	-52.4
Geochemical Parameters	TOC	µg/l	--	--	2,400	22,000	1,200,000	810	1,900,000	1,100,000	680,000	410,000	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	5030	2.8	< 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nitrate/Nitrite	mg/l	--	--	0.1 J	2.47	0.1 J	0.1 J	0.14 J	< 0.1	0.12	J < 0.1	NS	NS	NS	NS	NS	NS	NS
	Sulfate	mg/l	--	--	82.5	35.2	35.4	< 3.4	22.4	5.12 J	3.76	J < 3.4	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 5	1.1	J < 20	179	146	104	139	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	1.1 J	< 5	< 1	< 20	< 10	< 0.5	< 0.5	< 10	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	2,520	3920	9330	8580	7,240	9,910	8,290	7,850	NS	NS	NS
	Acetic Acid	mg/l	--	--	NS	380	280.0	320	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Butyric Acid	mg/l	--	--	NS	42	51.0	24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Formic Acid	mg/l			NS	18	11.0	4.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Hexanoic Acid	mg/l			NS	7.4	<0.10	9.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	i-Hexanoic Acid	mg/l			NS	<1	<0.10	0.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	i-Pentanoic Acid	mg/l			NS	2.2	<0.70	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Lactic Acid	mg/l	--	--	NS	52	35.0	3.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Pentanoic Acid	mg/l			NS	4.6	8.10	7.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Propionic Acid	mg/l	--	--	NS	760	590.0	680	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Pyruvic Acid	mg/l	--	--	NS	10	5.80	6.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
µg/l = micrograms per liter
mV = milli-volts
ORP = oxidation-reduction potential
TOC = Total Organic Carbon
J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

MW-21					Pilot Testing Program				Quarterly Performance Monitoring Program										
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
			NR 140.10 Table 1		3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/6/2010	10/28/2010	1/27/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	NS	< 0.78	NS	NS	< 0.74	NS	NS	NS	< 0.26	< 0.27	< 0.27
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	NS	NS	NS	NS	< 1.3	NS	NS	< 0.79	NS	NS	NS	< 0.26	< 1.1	< 1.1
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.5	NS	NS	NS	NS	< 0.43	NS	NS	< 0.44	NS	NS	NS	< 0.5	< 0.33	< 0.33
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	NS	NS	NS	NS	< 0.39	NS	NS	< 0.47	NS	NS	NS	< 0.33	< 0.26	< 0.26
Field Measurements	Temperature	deg. C	--	--	7.43	NS	NS	NS	NS	16.37	NS	NS	17.09	NS	NS	NS	8.6	15.1	16
	pH	--	--	--	6.95	NS	NS	NS	NS	6.89	NS	NS	6.84	NS	NS	NS	6.85	6.96	6.81
	Dissolved Oxygen	mg/l	--	--	0.3	NS	NS	NS	NS	0.26	NS	NS	0.58	NS	NS	NS	0.98	0.49	0.77
	Specific Conductivity	µs/cm	--	--	4632	NS	NS	NS	NS	4736	NS	NS	4989	NS	NS	NS	4020	5060	5100
	ORP	mV	--	--	283.2	NS	NS	NS	NS	98	NS	NS	72	NS	NS	NS	181.9	40.8	19.3
Geochemical Parameters	TOC	µg/l	--	--	3,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Ammonia as N	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 0.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Manganese	µg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Total Alkalinity ($CaCO_3$)	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	< 0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	343.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Acetic Acid	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Butyric Acid	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Lactic Acid	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Propionic Acid	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Pyruvic Acid	mg/l	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
µg/l = micrograms per liter
mV = milli-volts
ORP = oxidation-reduction potential
TOC = Total Organic Carbon
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NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = ch. NR 140 Wis. Adm. Code Preventive Action Limit (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

PZ-10			NR 140.10 Table 1 PAL	NR 140.10 Table 1 ES	Pilot Testing Program: Baseline 3/30/2009	Pilot Testing Program: 3 Month Performance 5/30/2009	6/30/2009	7/30/2009	Quarterly Performance Monitoring Program: 1Q 7/7/2010	2Q 10/28/2010	3Q 1/27/2011	4Q 4/28/2011	5Q 8/7/2012	6Q 11/28/2012	7Q 2/27/2013	8Q 5/20/2013	9Q 3/30/2017	10Q 11/8/2018	11Q 10/17/2019
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	< 0.78	< 0.78	0.76 J	1.71 J	< 0.74	< 0.74	0.86 J	< 0.38	< 0.26	< 0.27	0.58 J
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	NS	NS	NS	< 1.3	< 1.3	< 0.79	< 0.79	< 0.79	< 0.79	< 0.35	< 0.35	< 0.26	< 1.1	< 1.1
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	**19.4**	NS	NS	NS	**13**	**17.9**	**8.2**	**5.0**	*4.0*	*4.9*	**9.8**	**8.7**	**13.6**	**12.8**	*4.6*
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.47	NS	NS	NS	< 0.39	< 0.39	< 0.47	< 0.47	< 0.47	< 0.47	< 0.33	< 0.33	0.48	0.43J	*0.82* J
	Vinyl Chloride	µg/l	*0.02*	**0.2**	<0.2	NS	NS	NS	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Field Measurements	Temperature	deg. C	--	--	10.91	NS	NS	NS	14.7	14.37	12.45	8.40	15.23	13.34	12.64	14.19	11.00	14.40	13.90
	pH		--	--	7.64	NS	NS	NS	7.33	7.75	7.67	7.75	7.57	7.66	7.72	7.40	7.56	7.69	7.46
	Dissolved Oxygen	mg/l	--	--	2.85	NS	NS	NS	2.58	2.78	2.83	6.30	2.10	1.51	5.85	7.89	4.96	4.81	2.71
	Specific Conductivity	µs/cm	--	--	779	NS	NS	NS	847	767	762	801	795	752	816	792	782	790	820
	ORP	mV	--	--	287	NS	NS	NS	-125	71	-344	19	107	-262	55	99	239.9	-21.5	-82.6
Geochemical Parameters	TOC	µg/l	--	--	3,800	NS	NS	NS	1900	3100	3100	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	0.1 J	NS	NS	NS	0.22 J	0.15 J	0.18 J	0.1 J	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	37.0	NS	NS	NS	38.2	29.5	32.8	34.9	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	2.8 J	NS	NS	NS	NS	NS	NS	NS	NS

NOTES
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
µg/l = micrograms per liter
mV = milli-volts
ORP = oxidation-reduction potential
TOC = Total Organic Carbon
J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
NS = not sampled
Red/Bold = *ch. NR 140 Wis. Adm. Code Enforcement Standard* (ES) exceedance
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Table A.1 Groundwater Analytical Table

Summary of Groundwater Data (Detected Compounds Only)
Redi-Quick Dry Cleaners
9508 West Greenfield Avenue
West Allis, Wisconsin

PZ-20			NR 140.10 Table 1		Pilot Testing Program				Quarterly Performance Monitoring Program										
					Baseline	3 Month Performance			1Q	2Q	3Q	4Q	5Q	6Q	7Q	8Q	9Q	10Q	11Q
					3/30/2009	5/30/2009	6/30/2009	7/30/2009	7/6/2010	10/28/2010	1/26/2011	4/28/2011	8/7/2012	11/28/2012	2/27/2013	5/20/2013	3/30/2017	11/8/2018	10/17/2019
			PAL	ES															
Detected VOCs	cis-1,2-Dichloroethene	µg/l	*7*	**70**	< 0.44	NS	NS	NS	< 0.78	1.37 J	3.8	2.05 J	*10.2*	*14.3*	5.0	*10.3*	*26.3*	*15.3*	*9.4*
	trans-1,2-Dichloroethene	µg/l	*20*	**100**	< 0.61	NS	NS	NS	< 1.3	< 1.3	< 0.79	< 0.79	< 0.79	< 0.79	< 0.35	< 0.35	1.3	1.1 J	< 1.1
	Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	**147**	NS	NS	NS	**83**	**43**	**22**	**12**	**17.5**	**19.8**	**5.5**	**8.6**	**21.9**	**29.8**	**34.9**
	Trichloroethene (TCE)	µg/l	*0.5*	**5**	*1.64*	NS	NS	NS	*1.53*	*1.76*	*1.44* J	*1.08* J	*3.02*	*3.8*	*1.62*	*2.44*	**7.6**	**9.2**	**8.6**
	Vinyl Chloride	µg/l	*0.02*	**0.2**	<0.2	NS	NS	NS	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Field Measurements	Temperature	deg. C	--	--	10.61	NS	NS	NS	14.58	13.05	12.47	8.57	14.32	12.03	11.47	14.03	12.90	14.00	14.50
	pH	--	--	--	7.67	NS	NS	NS	7.34	7.62	7.60	7.65	7.54	7.70	7.58	7.51	7.52	7.62	7.57
	Dissolved Oxygen	mg/l	--	--	2.49	NS	NS	NS	4.39	2.21	2.21	4.07	4.41	5.65	1.38	5.86	3.49	2.88	3.77
	Specific Conductivity	µs/cm	--	--	849	NS	NS	NS	888	833	816	867	848	817	898	843	861	890	880
	ORP	mV	--	--	285.8	NS	NS	NS	-140	28	-138	16	116	-218	141	121	225	-57.2	21.1
Geochemical Parameters	TOC	µg/l	--	--	1,900	NS	NS	NS	1400	1100	1620	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Iron	µg/l	--	--	< 60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Dissolved Nitrate/Nitrite	mg/l	--	--	0.1 J	NS	NS	NS	0.12 J	< 0.1	0.14 J	< 0.1	NS	NS	NS	NS	NS	NS	NS
	Dissolved Sulfate	mg/l	--	--	41.4	NS	NS	NS	40.7	35.8	36.9	34.5	NS	NS	NS	NS	NS	NS	NS
	Ethane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Ethene	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS
	Methane	µg/l	--	--	NS	NS	NS	NS	< 1	< 1	2.8 J	NS	NS	NS	NS	NS	NS	NS	NS

NOTES
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µg/l = micrograms per liter
mV = milli-volts
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J = results reported between the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
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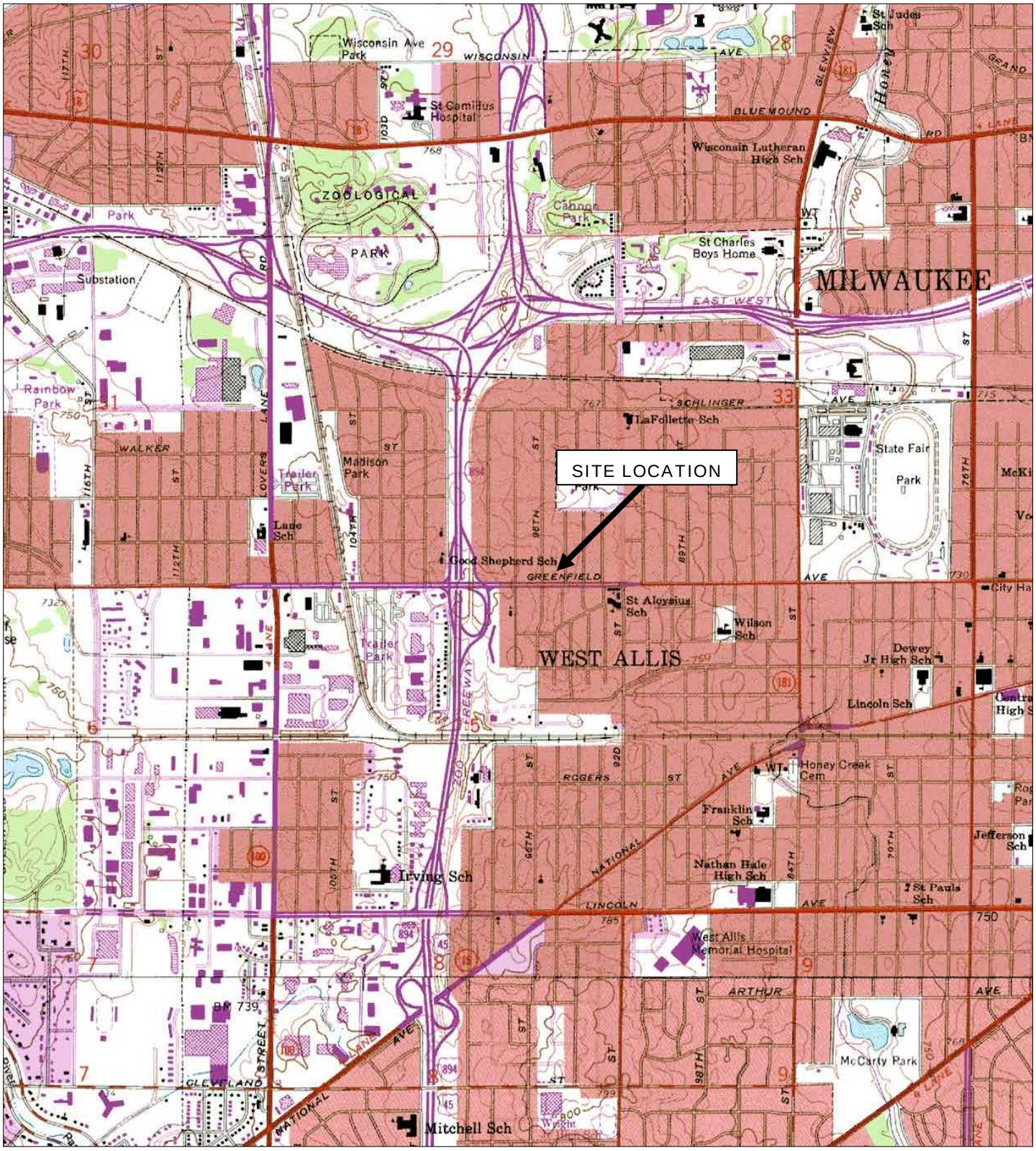
Blue/Italic = *ch. NR 140 Wis. Adm. Code Preventive Action Limit* (PAL) exceedance

Figures

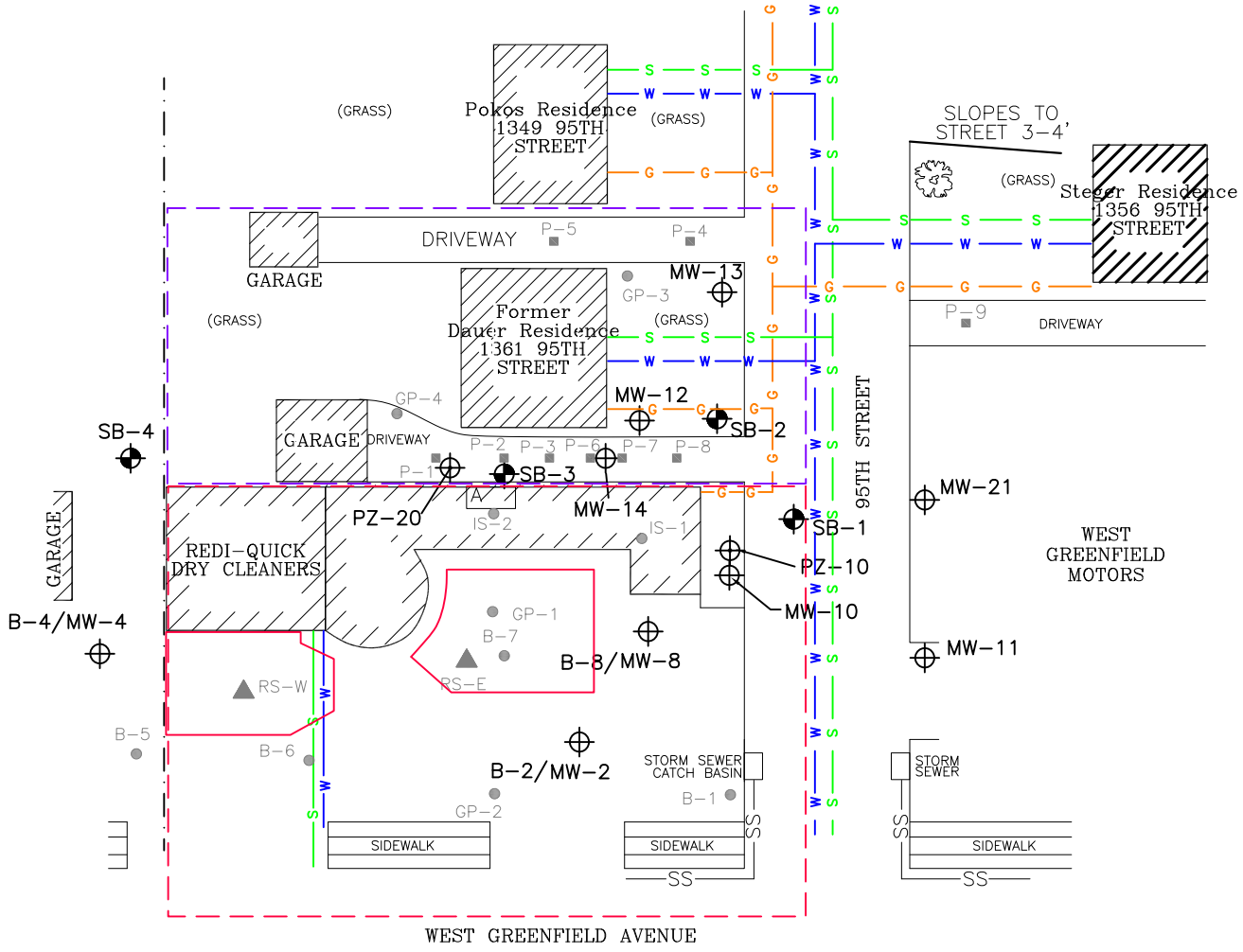


Source: USGS *Wauwatosa, Wisconsin* 7.5-minute Series (topographic) Quadrangle Map
Scale: 1:24,000
Contour Interval: 10 feet

APTIM

Redi-Quick Dry Cleaners Site
9805 West Greenfield Avenue
West Allis, Wisconsin

Figure B.1.a
Site Location Map



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- RECOVERY SUMP
- GEOPROBE BORING
- PROBE
- W — WATER LINE
- S — SEWER LINE
- G — GAS LINE
- UST EXCAVATION LIMITS (1989)
- PROPERTY BOUNDARY 9508 GREENFIELD AVE (REDI QUICK)
- PROPERTY BOUNDARY 1361 95TH STREET (OWNED BY REDI QUICK)

TANK KEY

A 1,000–GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

NOTE

GEOPROBES B–7 AND GP–1 AND RECOVERY SUMPS RS–E AND RS–W WERE REMOVED IN THE 1989 SOIL EXCAVATIONS

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

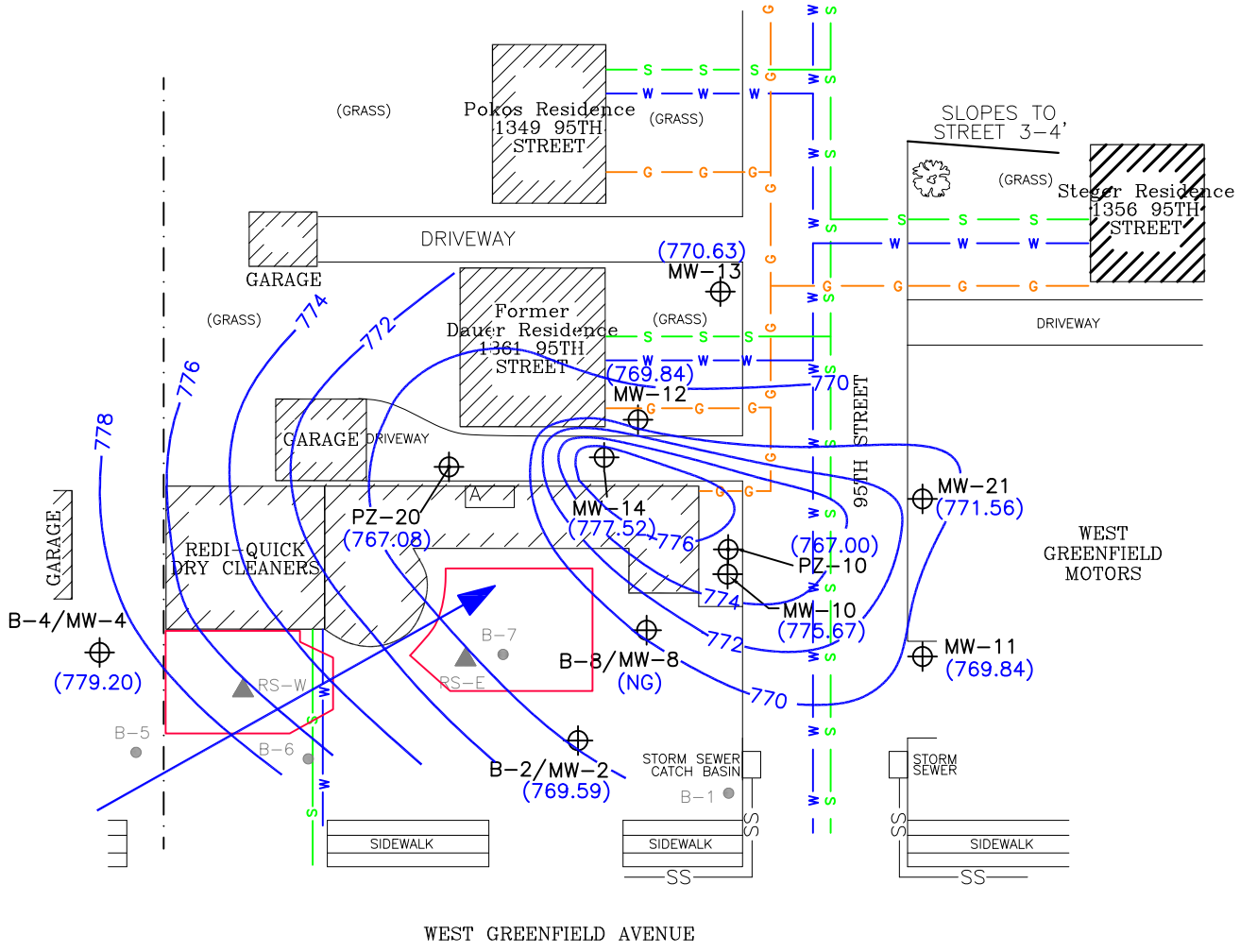
CLIENT: **Redi-Quick Dry Cleaners**

LOCATION: **Redi-Quick Dry Cleaners Site**
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE: **SITE LOCATION MAP**

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	HAW	JRD	-	631224187	B.1.b
		REVISION DATE: -		DATE: 11/21/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.1.a User: Jill.Deitchler Nov 21, 2019 - 8:15am



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- RECOVERY SUMP
- WATER LINE
- SEWER LINE
- GAS LINE
- UST EXCAVATION LIMITS (1989)
- (779.67) GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW
- CONTOUR INTERVAL = 2'

TANK KEY

A 1,000–GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

CLIENT: **Redi-Quick Dry Cleaners**

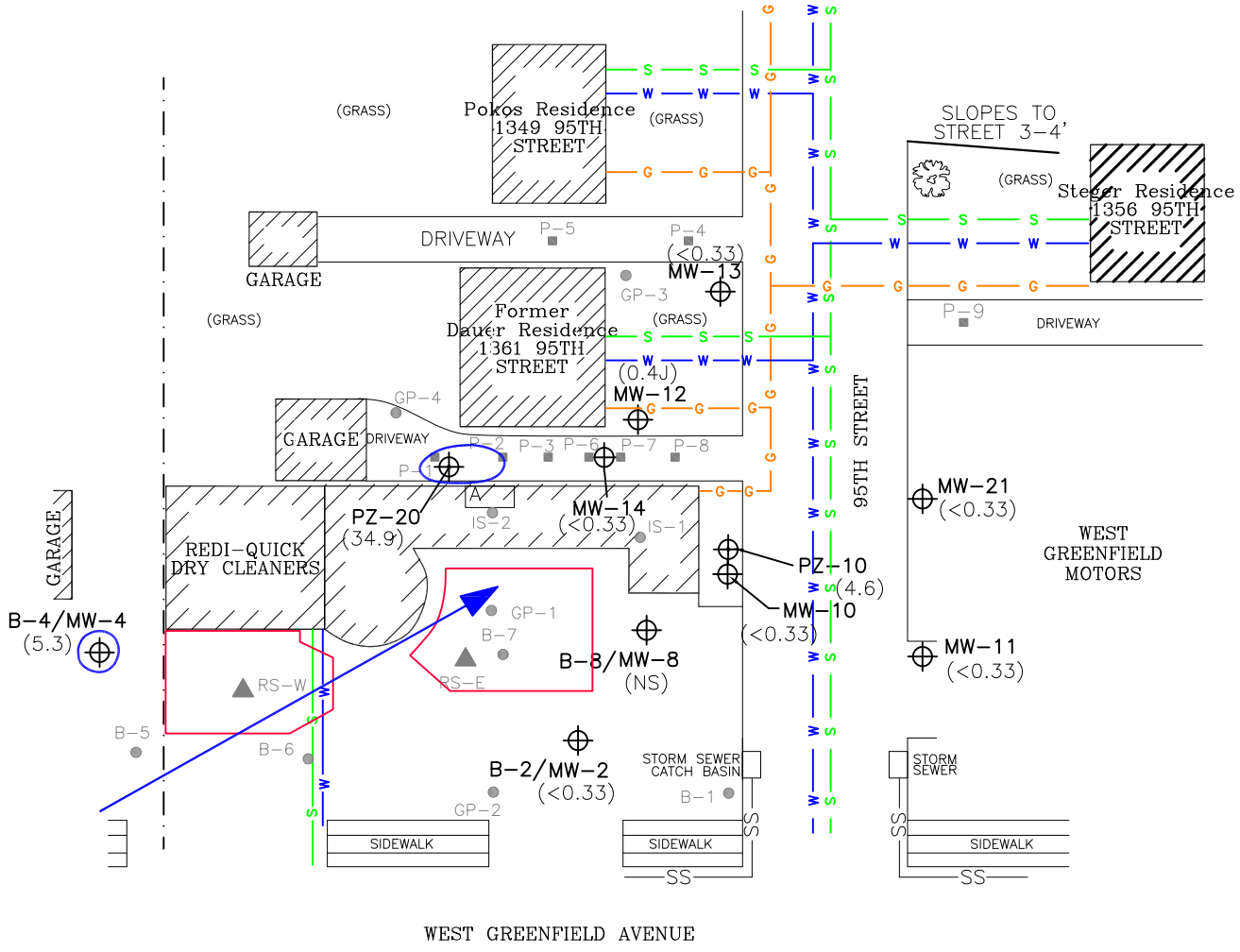
LOCATION: **Redi-Quick Dry Cleaners Site**
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE

GROUNDWATER FLOW MAP
OCTOBER 2019

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	MLF	JRD	-	631224187	B.3.c
		REVISION DATE: -		DATE: 11/06/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.3.c_1019 User: Jill.Deitchler Nov 06, 2019 - 2:58pm



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- RECOVERY SUMP
- GEOPROBE BORING
- PROBE
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- UST EXCAVATION LIMITS (1989)
- (5.2) TETRACHLOROETHENE (PCE) CONCENTRATION UG/L
- (NS) NOT SAMPLED

TANK KEY

A 1,000-GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

- PCE ES CONTOUR 5.0 UG/L
- DIRECTION OF GROUNDWATER FLOW

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

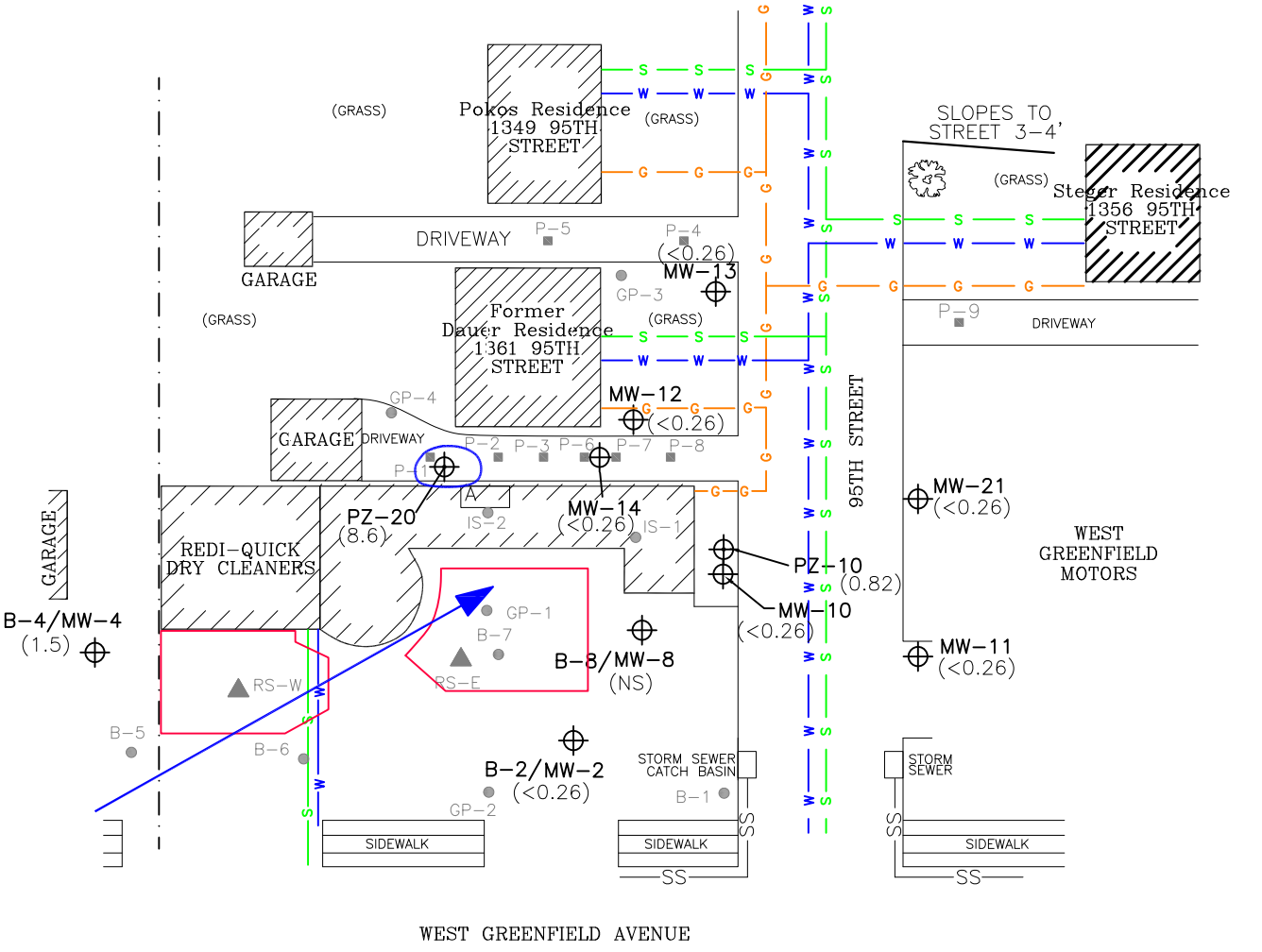
CLIENT: Redi-Quick Dry Cleaners

LOCATION: Redi-Quick Dry Cleaners Site
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE: GROUNDWATER ISOCONCENTRATION MAP - PCE OCTOBER 2019

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	MLF	JRD	-	631224187	B.3.b.1
		REVISION DATE: -		DATE: 11/06/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.3.b.1_1019 User: Jill.Deitchler Nov 06, 2019 - 2:54pm



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- RECOVERY SUMP
- GEOPROBE BORING
- PROBE
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- UST EXCAVATION LIMITS (1989)
- (1.3) TRICHLOROETHENE (TCE) CONCENTRATION UG/L
- (NS) NOT SAMPLED

TANK KEY

A 1,000-GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

- TCE ES CONTOUR 5.0 UG/L
- DIRECTION OF GROUNDWATER FLOW

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

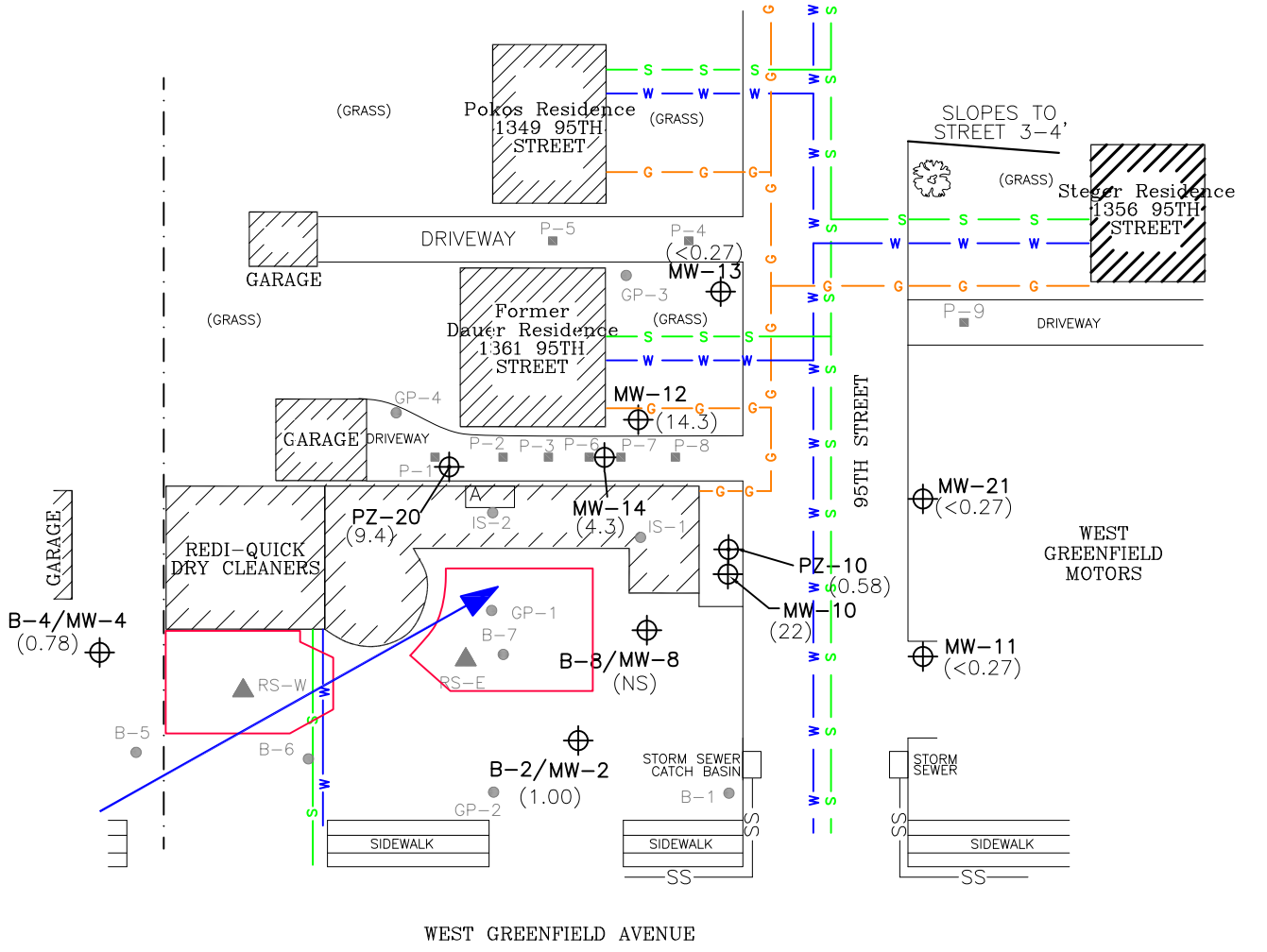
CLIENT: **Redi-Quick Dry Cleaners**

LOCATION: **Redi-Quick Dry Cleaners Site**
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE: **GROUNDWATER ISOCONCENTRATION MAP - TCE OCTOBER 2019**

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	MLF	JRD	-	631224187	B.3.b.2
		REVISION DATE: -		DATE: 11/06/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.3.b.2_1019 User: Jill.Deitchler Nov 06, 2019 - 2:55pm



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- RECOVERY SUMP
- GEOPROBE BORING
- PROBE
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- UST EXCAVATION LIMITS (1989)
- (15.3) CIS-1,2-DICHLOROETHENE (CIS-1,2-DCE) CONCENTRATION UG/L
- (NS) NOT SAMPLED

TANK KEY

A 1,000-GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

- CIS-1,2-DCE ES CONTOUR 70 UG/L
- DIRECTION OF GROUNDWATER FLOW

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

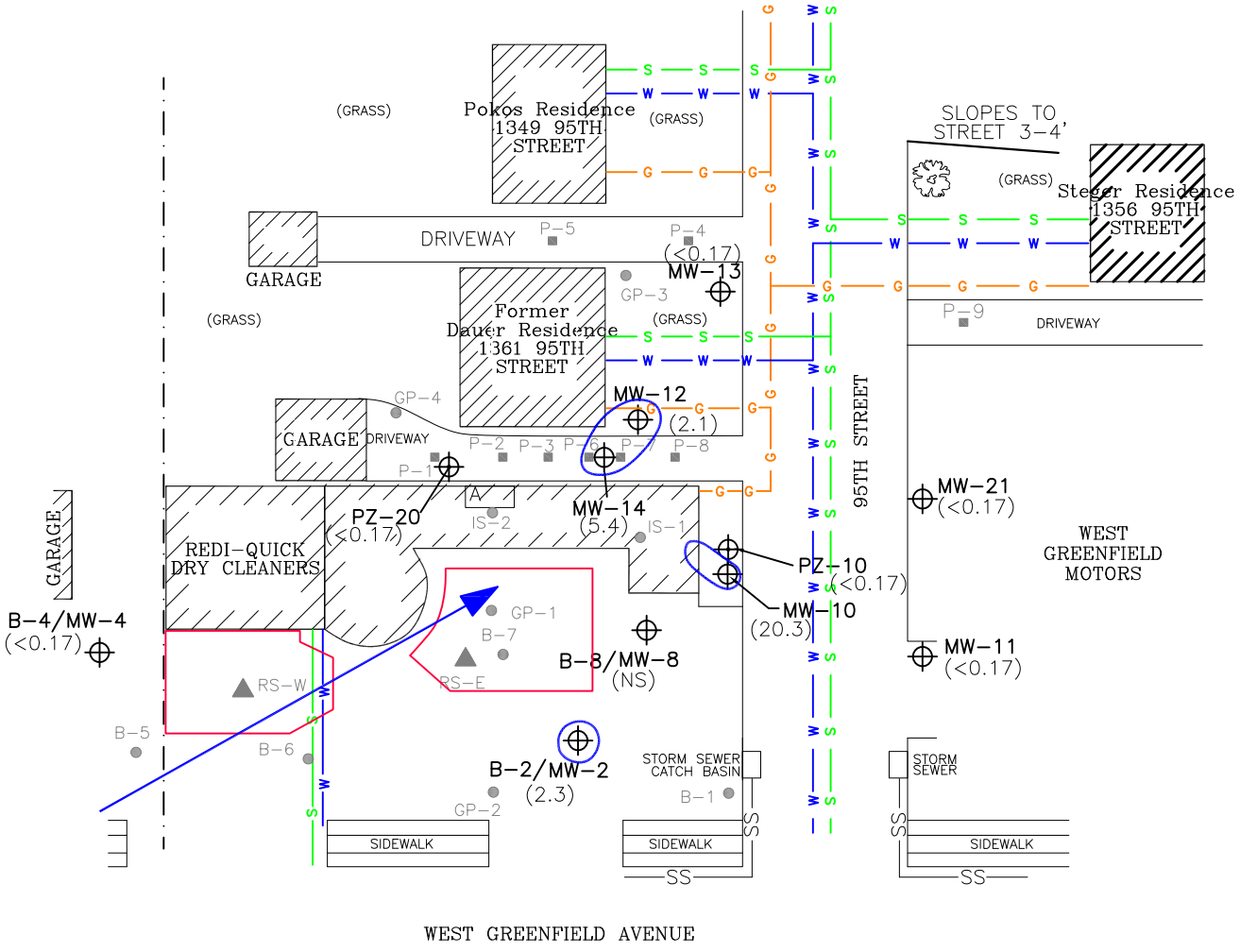
CLIENT: Redi-Quick Dry Cleaners

LOCATION: Redi-Quick Dry Cleaners Site
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE: GROUNDWATER ISOCONCENTRATION MAP - CIS-1,2-DCE OCTOBER 2019

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	MLF	JRD	-	631224187	B.3.b.3
		REVISION DATE: -		DATE: 11/06/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.3.b.3_1019 User: Jill.Deitchler Nov 06, 2019 - 2:56pm



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)
- MONITORING WELL
- PIEZOMETER
- TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- RECOVERY SUMP
- GEOPROBE BORING
- PROBE
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- UST EXCAVATION LIMITS (1989)
- (1.3) VINYL CHLORIDE (VC) CONCENTRATION UG/L
- (NS) NOT SAMPLED

TANK KEY

A 1,000-GALLON DRY CLEANER SOLVENT UST (NO LONGER IN USE)

- VC ES CONTOUR 0.2 UG/L
- DIRECTION OF GROUNDWATER FLOW

APPROXIMATE SCALE IN FEET

0 20 40 60

N

APTIM

APTIM
2872 N. Ridge Road, Suite 102B
Wichita, Kansas 67205

CLIENT: **Redi-Quick Dry Cleaners**

LOCATION: **Redi-Quick Dry Cleaners Site**
9508 West Greenfield Avenue
West Allis, Wisconsin

TITLE

GROUNDWATER ISOCONCENTRATION MAP - VC OCTOBER 2019

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	MLF	JRD	-	631224187	B.3.b.4
		REVISION DATE: -		DATE: 11/06/19	

File: \\trepfs01\SEIMILFPS00\Data\Projects\100000\133480 (Redi-Quick)\CAD\631224187_01.dwg Layout: B.3.b.4_1019 User: Jill.Deitchler Nov 06, 2019 - 2:56pm

Appendix A
Field Notes

Location West Allis WI Date 10/17/19

Project / Client Redi Quick

Personnel: JMS

Weather: 50° cloudy

Objective: Sample groundwater monitoring well network for CVOC

0900: Arrived on site

Well	DTP	DTW	Sample Time	
MW-2	—	11.99	1025	
MW-4	—	4.10	0945	← DUP: MW-40 @1000
MW-8	Paved over			
MW-10	—	3.59	1335	
MW-11	—	8.05	1100	
MW-12	—	12.77	1205	
MW-13	—	9.45	1140	
MW-14	—	5.55	1300	
MW-21	—	7.09	1120	
PZ-10	—	12.44	1405	
PZ-20	—	16.25	1235	

- There is a ½ full sid drum still staged on E side of building
- Vapor system pump at 1361 residance is running.

1425: Leaving site.

Location West Allis, WI Date 10/17/19

Project / Client Redi Quick

Well	Temp °C	DO mg/L	Spec Cond	pH	ORP
MW-2	16.6	0.76	7.01	7.19	-101.7
MW-4	16.7	2.99	0.69	7.10	135.1
MW-8	Paved over				
MW-10	17.2	0.24	3.44	6.90	-92.3
MW-11	16.9	1.87	3.10	6.95	-10.8
MW-12	14.7	0.82	1.44	7.02	-112.1
MW-13	15.1	0.44	0.455	7.16	-8.6
MW-14	16.7	0.68	3.83	6.62	-52.4
MW-21	16.0	0.77	5.10	6.81	19.3
PZ-10	13.9	2.71	0.82	7.46	-82.6
PZ-20	14.5	3.77	0.88	7.57	21.1

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	APTIM
Branch/Location:	WI
Project Contact:	Mark Finney
Phone:	913-317-3591
Project Number:	631224187
Project Name:	Redi Quick
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

***Preservation Codes**
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: CVOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	MW-2	10/17/19	1025	GW	N	B	X			
	MW-4	10/17/19	0915	GW			X			
	MW-10	10/17/19	1335	GW			X			
	MW-11	10/17/19	1100	GW			X			
	MW-12	10/17/19	1205	GW			X			
	MW-13	10/17/19	1140	GW			X			
	MW-14	10/17/19	1300	GW			X			
	MW-21	10/17/19	1120	GW			X			
	MW-40	10/17/19	1000	GW			X			
	PZ-10	10/17/19	1405	GW			X			
	PZ-20	10/17/19	1235	GW			X			
	Trip Blank	10/17/19		W			X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/18/19		10/18/19 0925
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

Appendix B
Laboratory Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 24, 2019

Mark Finney
APTIM
8725 Rosehill Road
Suite 450
Lenexa, KS 66215

RE: Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Dear Mark Finney:
Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jared Schmidt, APTIM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40197548001	**MW-2**	Water	10/17/19 10:25	10/18/19 14:05
40197548002	**MW-4**	Water	10/17/19 09:45	10/18/19 14:05
40197548003	**MW-10**	Water	10/17/19 13:35	10/18/19 14:05
40197548004	**MW-11**	Water	10/17/19 11:00	10/18/19 14:05
40197548005	**MW-12**	Water	10/17/19 12:05	10/18/19 14:05
40197548006	**MW-13**	Water	10/17/19 11:40	10/18/19 14:05
40197548007	**MW-14**	Water	10/17/19 13:00	10/18/19 14:05
40197548008	**MW-21**	Water	10/17/19 11:20	10/18/19 14:05
40197548009	**MW-40**	Water	10/17/19 10:00	10/18/19 14:05
40197548010	**PZ-10**	Water	10/17/19 14:05	10/18/19 14:05
40197548011	**PZ-20**	Water	10/17/19 12:35	10/18/19 14:05
40197548012	**TRIP BLANK**	Water	10/17/19 00:00	10/18/19 14:05

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40197548001	**MW-2**	EPA 8260	LAP	64	PASI-G
40197548002	**MW-4**	EPA 8260	LAP	64	PASI-G
40197548003	**MW-10**	EPA 8260	LAP	64	PASI-G
40197548004	**MW-11**	EPA 8260	LAP	64	PASI-G
40197548005	**MW-12**	EPA 8260	LAP	64	PASI-G
40197548006	**MW-13**	EPA 8260	LAP	64	PASI-G
40197548007	**MW-14**	EPA 8260	LAP	64	PASI-G
40197548008	**MW-21**	EPA 8260	LAP	64	PASI-G
40197548009	**MW-40**	EPA 8260	LAP	64	PASI-G
40197548010	**PZ-10**	EPA 8260	LAP	64	PASI-G
40197548011	**PZ-20**	EPA 8260	LAP	64	PASI-G
40197548012	**TRIP BLANK**	EPA 8260	LAP	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-2 **Lab ID: 40197548001** Collected: 10/17/19 10:25 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 18:31	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 18:31	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 18:31	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 18:31	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 18:31	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:31	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 18:31	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 18:31	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 18:31	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:31	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 18:31	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 18:31	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 18:31	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 18:31	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 18:31	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 18:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 18:31	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 18:31	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:31	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 18:31	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 18:31	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 18:31	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 18:31	75-34-3	
1,2-Dichloroethane	**1.5**	ug/L	1.0	0.28	1		10/23/19 18:31	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:31	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.27	1		10/23/19 18:31	156-59-2	
trans-1,2-Dichloroethene	**1.3J**	ug/L	3.6	1.1	1		10/23/19 18:31	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 18:31	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 18:31	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 18:31	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 18:31	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 18:31	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 18:31	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 18:31	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 18:31	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 18:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 18:31	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 18:31	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 18:31	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 18:31	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 18:31	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 18:31	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 18:31	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-2 **Lab ID: 40197548001** Collected: 10/17/19 10:25 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 18:31	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 18:31	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 18:31	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 18:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 18:31	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:31	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 18:31	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 18:31	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 18:31	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 18:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 18:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 18:31	108-67-8	
Vinyl chloride	**2.3**	ug/L	1.0	0.17	1		10/23/19 18:31	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 18:31	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 18:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/23/19 18:31	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		10/23/19 18:31	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/23/19 18:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-4 **Lab ID: 40197548002** Collected: 10/17/19 09:45 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 12:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 12:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 12:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 12:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 12:54	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 12:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 12:54	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 12:54	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 12:54	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 12:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 12:54	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 12:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:54	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:54	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 12:54	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:54	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 12:54	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:54	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	75-35-4	
cis-1,2-Dichloroethene	**0.78J**	ug/L	1.0	0.27	1		10/22/19 12:54	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 12:54	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:54	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 12:54	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 12:54	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 12:54	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 12:54	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 12:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 12:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 12:54	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 12:54	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 12:54	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 12:54	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:54	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 12:54	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 12:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:54	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-4 **Lab ID: 40197548002** Collected: 10/17/19 09:45 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	79-34-5	
Tetrachloroethene	**5.3**	ug/L	1.1	0.33	1		10/22/19 12:54	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 12:54	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 12:54	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 12:54	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 12:54	79-00-5	
Trichloroethene	**1.5**	ug/L	1.0	0.26	1		10/22/19 12:54	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 12:54	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 12:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 12:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 12:54	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:54	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 12:54	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 12:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/22/19 12:54	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/22/19 12:54	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/22/19 12:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-10 **Lab ID: 40197548003** Collected: 10/17/19 13:35 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 20:53	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 20:53	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 20:53	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 20:53	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 20:53	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:53	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 20:53	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 20:53	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 20:53	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:53	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:53	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:53	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 20:53	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 20:53	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 20:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 20:53	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 20:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:53	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:53	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:53	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 20:53	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:53	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 20:53	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:53	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:53	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:53	75-35-4	
cis-1,2-Dichloroethene	**22.4**	ug/L	1.0	0.27	1		10/23/19 20:53	156-59-2	
trans-1,2-Dichloroethene	**64.0**	ug/L	3.6	1.1	1		10/23/19 20:53	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:53	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:53	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 20:53	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 20:53	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 20:53	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 20:53	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 20:53	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 20:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 20:53	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 20:53	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 20:53	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 20:53	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:53	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 20:53	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:53	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-10 **Lab ID: 40197548003** Collected: 10/17/19 13:35 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:53	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 20:53	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 20:53	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 20:53	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 20:53	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:53	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 20:53	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 20:53	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 20:53	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 20:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 20:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 20:53	108-67-8	
Vinyl chloride	**20.3**	ug/L	1.0	0.17	1		10/23/19 20:53	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 20:53	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 20:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		10/23/19 20:53	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		10/23/19 20:53	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/23/19 20:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-11 **Lab ID: 40197548004** Collected: 10/17/19 11:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 18:55	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:55	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 18:55	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 18:55	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 18:55	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 18:55	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:55	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 18:55	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 18:55	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 18:55	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:55	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 18:55	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 18:55	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 18:55	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 18:55	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 18:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 18:55	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 18:55	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 18:55	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 18:55	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 18:55	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 18:55	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 18:55	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 18:55	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 18:55	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 18:55	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:55	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/23/19 18:55	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/23/19 18:55	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 18:55	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 18:55	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 18:55	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 18:55	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 18:55	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 18:55	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 18:55	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 18:55	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 18:55	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 18:55	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 18:55	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 18:55	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 18:55	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 18:55	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 18:55	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 18:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 18:55	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-11 **Lab ID: 40197548004** Collected: 10/17/19 11:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 18:55	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 18:55	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 18:55	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 18:55	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 18:55	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 18:55	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 18:55	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 18:55	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 18:55	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 18:55	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 18:55	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 18:55	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 18:55	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 18:55	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 18:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		10/23/19 18:55	460-00-4	
Dibromofluoromethane (S)	128	%	70-130		1		10/23/19 18:55	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/23/19 18:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-12 **Lab ID: 40197548005** Collected: 10/17/19 12:05 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 13:16	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 13:16	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 13:16	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 13:16	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 13:16	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 13:16	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 13:16	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 13:16	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:16	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:16	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 13:16	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 13:16	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 13:16	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 13:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:16	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:16	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 13:16	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:16	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 13:16	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:16	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	75-35-4	
cis-1,2-Dichloroethene	**14.3**	ug/L	1.0	0.27	1		10/22/19 13:16	156-59-2	
trans-1,2-Dichloroethene	**4.5**	ug/L	3.6	1.1	1		10/22/19 13:16	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:16	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 13:16	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 13:16	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 13:16	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 13:16	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 13:16	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 13:16	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 13:16	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 13:16	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 13:16	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 13:16	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:16	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 13:16	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:16	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-12 **Lab ID: 40197548005** Collected: 10/17/19 12:05 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	79-34-5	
Tetrachloroethene	**0.40J**	ug/L	1.1	0.33	1		10/22/19 13:16	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 13:16	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 13:16	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 13:16	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 13:16	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 13:16	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 13:16	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 13:16	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 13:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 13:16	108-67-8	
Vinyl chloride	**2.1**	ug/L	1.0	0.17	1		10/22/19 13:16	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 13:16	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/22/19 13:16	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/22/19 13:16	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/22/19 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-13 **Lab ID: 40197548006** Collected: 10/17/19 11:40 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 19:18	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:18	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 19:18	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 19:18	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 19:18	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 19:18	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:18	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 19:18	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 19:18	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 19:18	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:18	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 19:18	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 19:18	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 19:18	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 19:18	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 19:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 19:18	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 19:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 19:18	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 19:18	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:18	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 19:18	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 19:18	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 19:18	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 19:18	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:18	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:18	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/23/19 19:18	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/23/19 19:18	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:18	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 19:18	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 19:18	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 19:18	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 19:18	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 19:18	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 19:18	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 19:18	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 19:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 19:18	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 19:18	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 19:18	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 19:18	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 19:18	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 19:18	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 19:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 19:18	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-13 **Lab ID: 40197548006** Collected: 10/17/19 11:40 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:18	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 19:18	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 19:18	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 19:18	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 19:18	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:18	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 19:18	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 19:18	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 19:18	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 19:18	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 19:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 19:18	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 19:18	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 19:18	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 19:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		10/23/19 19:18	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		10/23/19 19:18	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/23/19 19:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-14 **Lab ID: 40197548007** Collected: 10/17/19 13:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 19:42	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 19:42	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 19:42	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 19:42	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 19:42	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:42	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 19:42	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 19:42	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 19:42	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:42	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 19:42	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 19:42	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 19:42	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 19:42	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 19:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 19:42	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 19:42	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 19:42	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 19:42	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 19:42	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 19:42	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 19:42	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 19:42	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 19:42	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:42	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:42	75-35-4	
cis-1,2-Dichloroethene	**4.3**	ug/L	1.0	0.27	1		10/23/19 19:42	156-59-2	
trans-1,2-Dichloroethene	**20.4**	ug/L	3.6	1.1	1		10/23/19 19:42	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:42	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 19:42	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 19:42	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 19:42	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 19:42	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 19:42	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 19:42	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 19:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 19:42	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 19:42	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 19:42	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 19:42	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 19:42	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 19:42	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 19:42	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 19:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 19:42	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-14 **Lab ID: 40197548007** Collected: 10/17/19 13:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 19:42	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 19:42	127-18-4	
Toluene	**0.58J**	ug/L	5.0	0.17	1		10/23/19 19:42	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 19:42	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 19:42	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 19:42	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 19:42	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 19:42	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 19:42	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 19:42	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 19:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 19:42	108-67-8	
Vinyl chloride	**5.4**	ug/L	1.0	0.17	1		10/23/19 19:42	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 19:42	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 19:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/23/19 19:42	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		10/23/19 19:42	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/23/19 19:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-21 **Lab ID: 40197548008** Collected: 10/17/19 11:20 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 20:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 20:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 20:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 20:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 20:05	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:05	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 20:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 20:05	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 20:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 20:05	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 20:05	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 20:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 20:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 20:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:05	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:05	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:05	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 20:05	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:05	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 20:05	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:05	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:05	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:05	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:05	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/23/19 20:05	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:05	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:05	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 20:05	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 20:05	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 20:05	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 20:05	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 20:05	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 20:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:05	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 20:05	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 20:05	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 20:05	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 20:05	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:05	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 20:05	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 20:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:05	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-21 **Lab ID: 40197548008** Collected: 10/17/19 11:20 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:05	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/23/19 20:05	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 20:05	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 20:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 20:05	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:05	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 20:05	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 20:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 20:05	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 20:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 20:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 20:05	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 20:05	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 20:05	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 20:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		10/23/19 20:05	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		10/23/19 20:05	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/23/19 20:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-40 **Lab ID: 40197548009** Collected: 10/17/19 10:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/23/19 20:29	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:29	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/23/19 20:29	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/23/19 20:29	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/23/19 20:29	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/23/19 20:29	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:29	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/23/19 20:29	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/23/19 20:29	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 20:29	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:29	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:29	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/23/19 20:29	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/23/19 20:29	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/23/19 20:29	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/23/19 20:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/23/19 20:29	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/23/19 20:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:29	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:29	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/23/19 20:29	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/23/19 20:29	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/23/19 20:29	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/23/19 20:29	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:29	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:29	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:29	75-35-4	
cis-1,2-Dichloroethene	**0.56J**	ug/L	1.0	0.27	1		10/23/19 20:29	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/23/19 20:29	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:29	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/23/19 20:29	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/23/19 20:29	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/23/19 20:29	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/23/19 20:29	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/23/19 20:29	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/23/19 20:29	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/23/19 20:29	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:29	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/23/19 20:29	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/23/19 20:29	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/23/19 20:29	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/23/19 20:29	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/23/19 20:29	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/23/19 20:29	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/23/19 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/23/19 20:29	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: MW-40 **Lab ID: 40197548009** Collected: 10/17/19 10:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/23/19 20:29	79-34-5	
Tetrachloroethene	**3.9**	ug/L	1.1	0.33	1		10/23/19 20:29	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/23/19 20:29	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/23/19 20:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/23/19 20:29	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/23/19 20:29	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/23/19 20:29	79-00-5	
Trichloroethene	**0.87J**	ug/L	1.0	0.26	1		10/23/19 20:29	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/23/19 20:29	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/23/19 20:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/23/19 20:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/23/19 20:29	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/23/19 20:29	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/23/19 20:29	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/23/19 20:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/23/19 20:29	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		10/23/19 20:29	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/23/19 20:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: PZ-10 **Lab ID: 40197548010** Collected: 10/17/19 14:05 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 13:38	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 13:38	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 13:38	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 13:38	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 13:38	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:38	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 13:38	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 13:38	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 13:38	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:38	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:38	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:38	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 13:38	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 13:38	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 13:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 13:38	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 13:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:38	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:38	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:38	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 13:38	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:38	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 13:38	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:38	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:38	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:38	75-35-4	
cis-1,2-Dichloroethene	**0.58J**	ug/L	1.0	0.27	1		10/22/19 13:38	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 13:38	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:38	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:38	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 13:38	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 13:38	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 13:38	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 13:38	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 13:38	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 13:38	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:38	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 13:38	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 13:38	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 13:38	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 13:38	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:38	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 13:38	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:38	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: PZ-10 **Lab ID: 40197548010** Collected: 10/17/19 14:05 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:38	79-34-5	
Tetrachloroethene	**4.6**	ug/L	1.1	0.33	1		10/22/19 13:38	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 13:38	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 13:38	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 13:38	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:38	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 13:38	79-00-5	
Trichloroethene	**0.82J**	ug/L	1.0	0.26	1		10/22/19 13:38	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 13:38	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 13:38	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 13:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 13:38	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 13:38	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 13:38	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 13:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/22/19 13:38	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		10/22/19 13:38	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/22/19 13:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: PZ-20 **Lab ID: 40197548011** Collected: 10/17/19 12:35 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 14:00	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 14:00	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 14:00	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 14:00	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 14:00	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 14:00	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 14:00	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 14:00	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 14:00	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 14:00	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 14:00	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 14:00	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 14:00	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 14:00	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 14:00	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 14:00	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 14:00	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 14:00	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 14:00	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 14:00	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 14:00	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 14:00	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 14:00	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 14:00	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 14:00	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 14:00	75-35-4	
cis-1,2-Dichloroethene	**9.4**	ug/L	1.0	0.27	1		10/22/19 14:00	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 14:00	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 14:00	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 14:00	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 14:00	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 14:00	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 14:00	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 14:00	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 14:00	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 14:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 14:00	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 14:00	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 14:00	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 14:00	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 14:00	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 14:00	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 14:00	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 14:00	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: PZ-20 **Lab ID: 40197548011** Collected: 10/17/19 12:35 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 14:00	79-34-5	
Tetrachloroethene	**34.9**	ug/L	1.1	0.33	1		10/22/19 14:00	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 14:00	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 14:00	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 14:00	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 14:00	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 14:00	79-00-5	
Trichloroethene	**8.6**	ug/L	1.0	0.26	1		10/22/19 14:00	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 14:00	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 14:00	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 14:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 14:00	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 14:00	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 14:00	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/22/19 14:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/22/19 14:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/22/19 14:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: TRIP BLANK **Lab ID: 40197548012** Collected: 10/17/19 00:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 12:33	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 12:33	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 12:33	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 12:33	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 12:33	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:33	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 12:33	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 12:33	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:33	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:33	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:33	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:33	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 12:33	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 12:33	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 12:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 12:33	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 12:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:33	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:33	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:33	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 12:33	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:33	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 12:33	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:33	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:33	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:33	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:33	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 12:33	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:33	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:33	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 12:33	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 12:33	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 12:33	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 12:33	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 12:33	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 12:33	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 12:33	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 12:33	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 12:33	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 12:33	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:33	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 12:33	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 12:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:33	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Sample: TRIP BLANK **Lab ID: 40197548012** Collected: 10/17/19 00:00 Received: 10/18/19 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:33	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/22/19 12:33	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 12:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 12:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 12:33	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:33	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 12:33	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 12:33	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 12:33	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 12:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 12:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 12:33	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:33	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 12:33	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 12:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/22/19 12:33	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		10/22/19 12:33	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/22/19 12:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

QC Batch: 338167 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197548002, 40197548005, 40197548010, 40197548011, 40197548012

METHOD BLANK: 1964254 Matrix: Water
Associated Lab Samples: 40197548002, 40197548005, 40197548010, 40197548011, 40197548012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/22/19 06:19	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/22/19 06:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/22/19 06:19	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/22/19 06:19	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/22/19 06:19	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/22/19 06:19	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/22/19 06:19	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/22/19 06:19	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/22/19 06:19	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/22/19 06:19	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/22/19 06:19	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/22/19 06:19	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/22/19 06:19	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/22/19 06:19	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/22/19 06:19	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/22/19 06:19	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/22/19 06:19	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/22/19 06:19	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/22/19 06:19	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/22/19 06:19	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/22/19 06:19	
2-Chlorotoluene	ug/L	<0.93	5.0	10/22/19 06:19	
4-Chlorotoluene	ug/L	<0.76	2.5	10/22/19 06:19	
Benzene	ug/L	<0.25	1.0	10/22/19 06:19	
Bromobenzene	ug/L	<0.24	1.0	10/22/19 06:19	
Bromochloromethane	ug/L	<0.36	5.0	10/22/19 06:19	
Bromodichloromethane	ug/L	<0.36	1.2	10/22/19 06:19	
Bromoform	ug/L	<4.0	13.2	10/22/19 06:19	
Bromomethane	ug/L	<0.97	5.0	10/22/19 06:19	
Carbon tetrachloride	ug/L	<0.17	1.0	10/22/19 06:19	
Chlorobenzene	ug/L	<0.71	2.4	10/22/19 06:19	
Chloroethane	ug/L	<1.3	5.0	10/22/19 06:19	
Chloroform	ug/L	<1.3	5.0	10/22/19 06:19	
Chloromethane	ug/L	<2.2	7.3	10/22/19 06:19	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/22/19 06:19	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/22/19 06:19	
Dibromochloromethane	ug/L	<2.6	8.7	10/22/19 06:19	
Dibromomethane	ug/L	<0.94	3.1	10/22/19 06:19	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/22/19 06:19	
Diisopropyl ether	ug/L	<1.9	6.3	10/22/19 06:19	
Ethylbenzene	ug/L	<0.22	1.0	10/22/19 06:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

METHOD BLANK: 1964254 Matrix: Water
Associated Lab Samples: 40197548002, 40197548005, 40197548010, 40197548011, 40197548012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/22/19 06:19	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/22/19 06:19	
m&p-Xylene	ug/L	<0.47	2.0	10/22/19 06:19	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/22/19 06:19	
Methylene Chloride	ug/L	<0.58	5.0	10/22/19 06:19	
n-Butylbenzene	ug/L	<0.71	2.4	10/22/19 06:19	
n-Propylbenzene	ug/L	<0.81	5.0	10/22/19 06:19	
Naphthalene	ug/L	<1.2	5.0	10/22/19 06:19	
o-Xylene	ug/L	<0.26	1.0	10/22/19 06:19	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/22/19 06:19	
sec-Butylbenzene	ug/L	<0.85	5.0	10/22/19 06:19	
Styrene	ug/L	<0.47	1.6	10/22/19 06:19	
tert-Butylbenzene	ug/L	<0.30	1.0	10/22/19 06:19	
Tetrachloroethene	ug/L	<0.33	1.1	10/22/19 06:19	
Toluene	ug/L	<0.17	5.0	10/22/19 06:19	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/22/19 06:19	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/22/19 06:19	
Trichloroethene	ug/L	<0.26	1.0	10/22/19 06:19	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/22/19 06:19	
Vinyl chloride	ug/L	<0.17	1.0	10/22/19 06:19	
4-Bromofluorobenzene (S)	%	95	70-130	10/22/19 06:19	
Dibromofluoromethane (S)	%	100	70-130	10/22/19 06:19	
Toluene-d8 (S)	%	94	70-130	10/22/19 06:19	

LABORATORY CONTROL SAMPLE: 1964255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.1	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	38.8	78	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	57.8	116	73-150	
1,1-Dichloroethene	ug/L	50	59.9	120	73-138	
1,2,4-Trichlorobenzene	ug/L	50	62.6	125	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.4	93	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	55.4	111	75-140	
1,2-Dichloropropane	ug/L	50	51.3	103	73-135	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.9	104	70-130	
Benzene	ug/L	50	54.3	109	70-130	
Bromodichloromethane	ug/L	50	53.7	107	70-130	
Bromoform	ug/L	50	52.8	106	68-129	
Bromomethane	ug/L	50	36.7	73	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

LABORATORY CONTROL SAMPLE: 1964255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	57.4	115	70-130	
Chlorobenzene	ug/L	50	54.0	108	70-130	
Chloroethane	ug/L	50	54.4	109	53-147	
Chloroform	ug/L	50	54.5	109	74-136	
Chloromethane	ug/L	50	46.7	93	29-115	
cis-1,2-Dichloroethene	ug/L	50	54.3	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.0	104	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dichlorodifluoromethane	ug/L	50	51.3	103	10-130	
Ethylbenzene	ug/L	50	56.8	114	80-124	
Isopropylbenzene (Cumene)	ug/L	50	61.6	123	70-130	
m&p-Xylene	ug/L	100	119	119	70-130	
Methyl-tert-butyl ether	ug/L	50	50.7	101	54-137	
Methylene Chloride	ug/L	50	50.4	101	73-138	
o-Xylene	ug/L	50	58.4	117	70-130	
Styrene	ug/L	50	57.3	115	70-130	
Tetrachloroethene	ug/L	50	52.7	105	70-130	
Toluene	ug/L	50	52.1	104	80-126	
trans-1,2-Dichloroethene	ug/L	50	57.3	115	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	57.0	114	76-147	
Vinyl chloride	ug/L	50	51.5	103	51-120	
4-Bromofluorobenzene (S)	%			109	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964256 1964257

Parameter	Units	40197608002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	58.7	60.0	117	120	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	38.9	36.8	78	74	70-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.0	48.6	100	97	70-137	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	57.1	56.6	114	113	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	59.5	61.0	119	122	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	65.2	66.2	130	132	70-130	2	20	M1
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	45.6	43.9	91	88	58-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.9	48.7	98	97	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.7	53.6	105	107	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	55.0	54.7	110	109	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	52.7	51.0	105	102	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.0	52.2	104	104	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	53.2	52.0	106	104	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964256 1964257

Parameter	Units	40197608002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	53.0	52.9	106	106	70-130	0	20	
Bromodichloromethane	ug/L	<0.36	50	50	55.4	52.9	111	106	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	54.4	51.4	109	103	68-129	6	20	
Bromomethane	ug/L	<0.97	50	50	37.8	37.9	76	76	15-170	0	20	
Carbon tetrachloride	ug/L	<0.17	50	50	55.8	56.7	112	113	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	55.2	52.9	110	106	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	50.8	52.3	102	105	51-148	3	20	
Chloroform	ug/L	<1.3	50	50	54.1	53.9	108	108	74-136	0	20	
Chloromethane	ug/L	<2.2	50	50	46.1	45.5	92	91	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	54.9	56.2	110	112	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	54.8	53.2	110	106	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.7	50.2	105	100	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	48.2	50.5	96	101	10-132	5	20	
Ethylbenzene	ug/L	<0.22	50	50	57.5	56.0	115	112	80-125	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	62.8	61.8	126	124	70-130	1	20	
m&p-Xylene	ug/L	<0.47	100	100	121	119	121	119	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.6	49.2	99	98	51-145	1	20	
Methylene Chloride	ug/L	<0.58	50	50	51.4	51.6	102	102	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	60.5	58.8	121	118	70-130	3	20	
Styrene	ug/L	<0.47	50	50	58.0	56.9	116	114	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	52.7	52.5	105	105	70-130	0	20	
Toluene	ug/L	<0.17	50	50	53.1	51.5	106	103	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	57.0	56.7	114	113	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	51.8	50.2	104	100	70-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	55.6	54.5	111	109	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.9	57.2	110	114	74-147	4	20	
Vinyl chloride	ug/L	<0.17	50	50	50.1	50.7	100	101	41-129	1	20	
4-Bromofluorobenzene (S)	%						109	106	70-130			
Dibromofluoromethane (S)	%						97	100	70-130			
Toluene-d8 (S)	%						96	95	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

QC Batch: 338400 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197548001, 40197548003, 40197548004, 40197548006, 40197548007, 40197548008, 40197548009

METHOD BLANK: 1965136 Matrix: Water
Associated Lab Samples: 40197548001, 40197548003, 40197548004, 40197548006, 40197548007, 40197548008, 40197548009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/23/19 11:13	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/23/19 11:13	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/23/19 11:13	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/23/19 11:13	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/23/19 11:13	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/23/19 11:13	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/23/19 11:13	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/23/19 11:13	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/23/19 11:13	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/23/19 11:13	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/23/19 11:13	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/23/19 11:13	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/23/19 11:13	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/23/19 11:13	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/23/19 11:13	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/23/19 11:13	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/23/19 11:13	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/23/19 11:13	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/23/19 11:13	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/23/19 11:13	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/23/19 11:13	
2-Chlorotoluene	ug/L	<0.93	5.0	10/23/19 11:13	
4-Chlorotoluene	ug/L	<0.76	2.5	10/23/19 11:13	
Benzene	ug/L	<0.25	1.0	10/23/19 11:13	
Bromobenzene	ug/L	<0.24	1.0	10/23/19 11:13	
Bromochloromethane	ug/L	<0.36	5.0	10/23/19 11:13	
Bromodichloromethane	ug/L	<0.36	1.2	10/23/19 11:13	
Bromoform	ug/L	<4.0	13.2	10/23/19 11:13	
Bromomethane	ug/L	<0.97	5.0	10/23/19 11:13	
Carbon tetrachloride	ug/L	<0.17	1.0	10/23/19 11:13	
Chlorobenzene	ug/L	<0.71	2.4	10/23/19 11:13	
Chloroethane	ug/L	<1.3	5.0	10/23/19 11:13	
Chloroform	ug/L	<1.3	5.0	10/23/19 11:13	
Chloromethane	ug/L	<2.2	7.3	10/23/19 11:13	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/23/19 11:13	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/23/19 11:13	
Dibromochloromethane	ug/L	<2.6	8.7	10/23/19 11:13	
Dibromomethane	ug/L	<0.94	3.1	10/23/19 11:13	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/23/19 11:13	
Diisopropyl ether	ug/L	<1.9	6.3	10/23/19 11:13	
Ethylbenzene	ug/L	<0.22	1.0	10/23/19 11:13	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

METHOD BLANK: 1965136 Matrix: Water
Associated Lab Samples: 40197548001, 40197548003, 40197548004, 40197548006, 40197548007, 40197548008, 40197548009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/23/19 11:13	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/23/19 11:13	
m&p-Xylene	ug/L	<0.47	2.0	10/23/19 11:13	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/23/19 11:13	
Methylene Chloride	ug/L	<0.58	5.0	10/23/19 11:13	
n-Butylbenzene	ug/L	<0.71	2.4	10/23/19 11:13	
n-Propylbenzene	ug/L	<0.81	5.0	10/23/19 11:13	
Naphthalene	ug/L	<1.2	5.0	10/23/19 11:13	
o-Xylene	ug/L	<0.26	1.0	10/23/19 11:13	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/23/19 11:13	
sec-Butylbenzene	ug/L	<0.85	5.0	10/23/19 11:13	
Styrene	ug/L	<0.47	1.6	10/23/19 11:13	
tert-Butylbenzene	ug/L	<0.30	1.0	10/23/19 11:13	
Tetrachloroethene	ug/L	<0.33	1.1	10/23/19 11:13	
Toluene	ug/L	<0.17	5.0	10/23/19 11:13	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/23/19 11:13	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/23/19 11:13	
Trichloroethene	ug/L	<0.26	1.0	10/23/19 11:13	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/23/19 11:13	
Vinyl chloride	ug/L	<0.17	1.0	10/23/19 11:13	
4-Bromofluorobenzene (S)	%	90	70-130	10/23/19 11:13	
Dibromofluoromethane (S)	%	119	70-130	10/23/19 11:13	
Toluene-d8 (S)	%	92	70-130	10/23/19 11:13	

LABORATORY CONTROL SAMPLE: 1965137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.3	121	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	70-130	
1,1,2-Trichloroethane	ug/L	50	44.2	88	70-130	
1,1-Dichloroethane	ug/L	50	61.0	122	73-150	
1,1-Dichloroethene	ug/L	50	58.5	117	73-138	
1,2,4-Trichlorobenzene	ug/L	50	35.4	71	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	46.1	92	70-130	
1,2-Dichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dichloroethane	ug/L	50	57.3	115	75-140	
1,2-Dichloropropane	ug/L	50	47.0	94	73-135	
1,3-Dichlorobenzene	ug/L	50	45.0	90	70-130	
1,4-Dichlorobenzene	ug/L	50	47.6	95	70-130	
Benzene	ug/L	50	49.3	99	70-130	
Bromodichloromethane	ug/L	50	49.5	99	70-130	
Bromoform	ug/L	50	42.5	85	68-129	
Bromomethane	ug/L	50	31.6	63	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

LABORATORY CONTROL SAMPLE: 1965137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	61.9	124	70-130	
Chlorobenzene	ug/L	50	46.4	93	70-130	
Chloroethane	ug/L	50	49.1	98	53-147	
Chloroform	ug/L	50	54.6	109	74-136	
Chloromethane	ug/L	50	31.8	64	29-115	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.9	86	70-130	
Dibromochloromethane	ug/L	50	46.9	94	70-130	
Dichlorodifluoromethane	ug/L	50	28.5	57	10-130	
Ethylbenzene	ug/L	50	47.9	96	80-124	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	52.4	105	54-137	
Methylene Chloride	ug/L	50	54.9	110	73-138	
o-Xylene	ug/L	50	49.4	99	70-130	
Styrene	ug/L	50	49.4	99	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	46.3	93	80-126	
trans-1,2-Dichloroethene	ug/L	50	59.1	118	73-145	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	69.7	139	76-147	
Vinyl chloride	ug/L	50	43.9	88	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			117	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1965158 1965159

Parameter	Units	40197710001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.7	58.2	113	116	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	45.2	45.1	90	90	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	38.9	41.1	78	82	70-137	6	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50.5	54.7	101	109	73-153	8	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	55.9	58.4	112	117	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	30.9	31.9	62	64	70-130	3	20	M1
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	51.2	50.7	102	101	58-129	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	40.5	40.5	81	81	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	39.8	42.5	80	85	70-130	6	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	47.5	52.3	95	105	75-140	10	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	38.6	40.9	77	82	71-138	6	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	39.7	42.5	79	85	70-130	7	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	41.5	43.7	83	87	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1965158 1965159

Parameter	Units	40197710001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	41.6	44.0	83	88	70-130	6	20	
Bromodichloromethane	ug/L	<0.36	50	50	41.0	43.2	82	86	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	36.5	36.8	73	74	68-129	1	20	
Bromomethane	ug/L	<0.97	50	50	37.6	44.5	75	89	15-170	17	20	
Carbon tetrachloride	ug/L	<0.17	50	50	60.5	62.0	121	124	70-130	3	20	
Chlorobenzene	ug/L	<0.71	50	50	39.8	42.9	80	86	70-130	8	20	
Chloroethane	ug/L	<1.3	50	50	48.0	49.0	96	98	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	46.3	49.2	93	98	74-136	6	20	
Chloromethane	ug/L	<2.2	50	50	34.6	37.2	69	74	23-115	7	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	40.8	43.1	82	86	70-131	6	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	36.4	37.1	73	74	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	39.3	42.7	79	85	70-130	8	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	48.3	49.8	97	100	10-132	3	20	
Ethylbenzene	ug/L	<0.22	50	50	40.8	43.3	82	87	80-125	6	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	42.1	44.7	84	89	70-130	6	20	
m&p-Xylene	ug/L	<0.47	100	100	86.8	91.3	87	91	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.0	44.4	88	89	51-145	1	20	
Methylene Chloride	ug/L	<0.58	50	50	47.5	48.7	95	97	73-140	3	20	
o-Xylene	ug/L	<0.26	50	50	39.7	42.0	79	84	70-130	6	20	
Styrene	ug/L	<0.47	50	50	40.9	44.2	82	88	70-130	8	20	
Tetrachloroethene	ug/L	<0.33	50	50	44.5	45.0	89	90	70-130	1	20	
Toluene	ug/L	<0.17	50	50	40.9	42.5	82	85	80-131	4	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.0	53.1	104	106	73-148	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	34.2	36.6	68	73	70-130	7	20	M1
Trichloroethene	ug/L	<0.26	50	50	44.6	45.2	89	90	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	71.5	72.2	143	144	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	49.1	49.3	98	99	41-129	0	20	
4-Bromofluorobenzene (S)	%						98	98	70-130			
Dibromofluoromethane (S)	%						114	112	70-130			
Toluene-d8 (S)	%						94	95	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 631224187 REDI QUICK
Pace Project No.: 40197548

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40197548001	**MW-2**	EPA 8260	338400		
40197548002	**MW-4**	EPA 8260	338167		
40197548003	**MW-10**	EPA 8260	338400		
40197548004	**MW-11**	EPA 8260	338400		
40197548005	**MW-12**	EPA 8260	338167		
40197548006	**MW-13**	EPA 8260	338400		
40197548007	**MW-14**	EPA 8260	338400		
40197548008	**MW-21**	EPA 8260	338400		
40197548009	**MW-40**	EPA 8260	338400		
40197548010	**PZ-10**	EPA 8260	338167		
40197548011	**PZ-20**	EPA 8260	338167		
40197548012	**TRIP BLANK**	EPA 8260	338167		

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Page 1 of

4097548

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	APTIM
Branch/Location:	WI
Project Contact:	Mark Finney
Phone:	913-317-3591
Project Number:	631224187
Project Name:	Redi Quick
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: CVOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-2	10/17/19	1025	GW		N / B	X			
002	MW-4	10/17/19	0945	GW			X			
003	MW-10	10/17/19	1335	GW			X			
004	MW-11	10/17/19	1100	GW			X			
005	MW-12	10/17/19	1205	GW			X			
006	MW-13	10/17/19	1140	GW			X		AS	
007	MW-14	10/17/19	1300	GW			X			
008	MW-21	10/17/19	1120	GW			X			
009	MW-40	10/17/19	1000	GW			X			
010	PZ-10	10/17/19	1405	GW			X			
011	PZ-20	10/17/19	1235	GW			X			
012	Trip Blank	10/17/19		W			X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/18/19		10/18/19 0925
	10/18/19 1405		10/18/19 1405

PACE Project No.
4097548

Receipt Temp = 2.0 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Aptim Project # 40197548

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass						Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN						
001																		3														2.5 / 5 / 10
002																		3														2.5 / 5 / 10
003																		3														2.5 / 5 / 10
004																		3														2.5 / 5 / 10
005																		3														2.5 / 5 / 10
006																		3														2.5 / 5 / 10
007																		3														2.5 / 5 / 10
008																		3														2.5 / 5 / 10
009																		3														2.5 / 5 / 10
010																		3														2.5 / 5 / 10
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014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes ☒No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40197548

40197548

Client Name: Aptim

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☑ Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RM /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 10/18/19
Initials: CM

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. mail invoice, page A CM 10/18/19
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. no time CM 10/18/19
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No Redlined	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 433		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution: returned 12 empty 40ml vials CM 10/18/19

Project Manager Review: CMF **Date:** 10/21/19